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ANNUAL MAXIMUM FLOWS
FROM
SMALL AGRICULTURAL WATERSHEDS
IN THE
UNITED STATES

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ANNUAL MAXIMUM FLOWS
FROM
SMALL AGRICULTURAL WATERSHEDS
IN THE
UNITED STATES

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service
Soil and Water Conservation Research Division
Washington 25, D. C.
In Cooperation with the
STATE AGRICULTURAL EXPERIMENT STATIONS

June 1958



FOREWORD

This document presents basic data relating to runoff from small agricultural watersheds in the United States. It is a continuation of the activity of processing and releasing hydrologic data gathered cooperatively with the State Experiment Stations and other agencies. It has been prepared by the Watershed Technology Research Branch of the Soil and Water Conservation Research Division as a means of furnishing basic information on annual maximum discharges and volumes of runoff from small experimental watersheds to the Soil Conservation Service, other governmental agencies, and private engineers.

Descriptions of the watersheds for which data are given herein are presented in the prior document "Monthly Precipitation and Runoff for Small Agricultural Watersheds in the United States." The page numbering in this document is identical to that in the other document.

The volume has been organized and assembled in loose leaf form so that additional sheets can be added as other data becomes available.

Cecil H. Wadleigh Director, Soil and Water Conservation Research Division

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INTRODUCTION

This volume presents annual maximum discharges and annual maximum volumes of runoff for time intervals of 1, 2, 6 and 12 hours, and 1, 2 and 8 days for most of the experimental agricultural watersheds in the United States. The principal experimental watersheds not included are forested watersheds for which the U. S. Forest Service has responsibility.

Cooperation and Acknowledgments

Over the years the establishment and operation of these experimental watershed projects have been the joint responsibility of various Federal, state, and local agencies. The federal agencies include the Bureau of Agricultural Engineering, the Soil Conservation Service, the Bureau of Plant Industry, and the Agricultural Research Service of the Department of Agriculture and the U. S. Geological Survey of the Department of the Interior. Throughout the life of the projects the State Experiment Stations of the 27 states within which the watersheds are located have cooperated in the planning and operation of the research projects. In several cases, local agencies such as drainage and conservancy districts have also cooperated in the work. At each project many individuals have contributed to the planning and establishment of the watersheds and the collection, compilation, and analysis of the data. A listing of many of those who made substantial contributions is given in the prior document on "Monthly Precipitation and Runoff for Small Agricultural Watersheds."

Explanation and Definitions

Descriptions of the watersheds for which data are presented here are given in the prior volume on "Monthly Precipitation and Runoff for Small Agricultural Watersheds in the United States." The page numbering of this volume is identical with that of the prior volume, that is, each watershed has the same page numbers in both documents.

The year used in the first column of the tabular sheet is the calendar year.

Under the <u>maximum discharge</u> heading the <u>date</u> column shows the day and month the instantaneous peak rate occurred. The rate is in inches per hour. In computing the rate, corrections were made for any significant pondage above the measuring device.

Under the maximum volume heading, the date refers to the day and month on which the interval began; thus if the interval began on December 30 at 11:59 p.m., the entry in the date column will be 12-30. The intervals are those for which the annual maximum volumes were recorded, without regard to even clock hours or days; for example, the six hour interval might begin at 1:32 p.m. and would end six hours later. The volume given is in inches of average depth over the watershed. The entry "T" indicates an amount of 0.005 inch or less.

Because of failure of the instruments, it was occasionally necessary to estimate portions of the record; where these estimates were of significant amount the value is noted as being estimated or partially estimated. The notes also include a statement on the quality of records; "Excellent" indicates in general that the records are probably accurate within 5 percent; "Good", within 10 percent; "Fair", within 15 percent; and "Poor", that the records may be in error by over 15 percent.

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Ö	FOR SEL	12 hours	Date	8-31 6-17 8-8 11-8	1-3 7-26 7-23 5-22 2-14	3-23 6-3 8-31 8-8	91-9		
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AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 ho	Date	11-5 8-31 6-17 8-8 11-8	9-13 7-26 7-23 5-22 2-14	3-23 7-5 6-3 8-31 8-8	6–15		
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IN INCHES FINCHES F		hour	Vol.	34,700,000,000,000,000,000,000,000,000,00	649	10,2%,5%	.22		
		1 ho	Date	11-5 8-31 6-17 8-10	9-13 7-26 7-23 5-22 2-14	8-28 7-5 9-1 8-8	6–15	began October	
DISCHARG RUNOFF I	UM	AGE	Rate	.02 .888 1.65 3.17	1.87 2.11 .08 .08	.34 1.37 .85 1.01 1.92	.93		
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Watershed W-4		S	Vol. Da	.06 .88 .45 .45 .1.04	25.00.05.00.05.00.05.00.05.00.05.00.05.05	.04	.35	hanges in
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DISCHARC RUNOFF 1	MUM	ARGE	Rate	.04 1.42 1.12 .62 2.21	4.33 2.78 .25 .36	.19 .64 .75 1.78 4.02	2.56	Records began October 25. area in 1941 and 1944.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date /	11-5 8-31 6-17 5-22 8-27	9-1 7-23 5-18 8-3	8-28 7-5 9-1 8-8	7-15	1
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۵		2 da	Date	4-20 8-19 10-15 11-8	1-3 7-22 7-23 6-13 2-14	11-25 6-3 11-20 3-24	6-15	- Equal events occurred Jan. 5 and Mar. 23.
MRYIAN	ERVAL	ay	Vol.		45. 45. 64. 80. 80.	. 22. 14. 11. 11. 12. 12. 13.	35	ccurred
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8	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	11-26 4-5 10-15 11-8 3-13	7-17 6-2 3-23 3-23 3-23	11-25 6-10 3-25 4-27 4-27													
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Watershed W-9		days	Vol.	1.1. 1.1. 1.1. 1.1. 1.1. 1.1. 1.1. 1.1	÷65;48	.30 .57 .57 .10	12. Quality of records: excellent. b - Maximum rate at 12:01 A.M. was near end of 25, 1945. c - Maximum 8-day depth was .32 in. beginning Dec. 25, 1945, with .03 in. Dec. 30, 1948, beginning Jan.1, .24 in.								
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IN INCHES I		our	Vol.	8.69.88	88688	88588	12. % 25, 194 Dec. 30								
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		2 da	Date	11-8 8-2 7-17 7-23 6-13	2-14 1-5 11-25 6-3 11-20	3-24	1948, b			
ARYLANI	ERVAL	AAXIMUM VOLUME FOR SELECTED TIME INTERVAL 2 hours	Vol.	1.37 .47 1.04 .64	.83 .61 .66 1.02 1.90	.62	c. 29,			
COLLEGE PARK, MARYLAND	TIME IN		FOR SELECTED	FOR SELECTED	TIME IN	Date	11-8 8-2 7-17 7-23 6-13	2-1, 11-25 11-25 6-3 11-21	3-25 6-15	b - Period began Dec. 29, 1948, beginning Jan. 5,
COLLEGE	ECTED 1				Vol.	1.37	.75 .50 .98 .98	1,14	eriod b	
	FOR SEI				12 ho	Date	11-8 8-2 7-17 7-23 11-8	2-14 1-5 11-25 6-3 11-21	3-25 6-15	
XIMUM	VOLUME		Vol.	1.32 .46 .85 .64	.64 .34 .64 .98 1.20	6.9.	excellent.			
AND ANNUAL MAX TIME INTERVALS	MUMIXA		Date	11-8 8-2 7-17 7-23 11-8	8-3 3-22 11-25 6-3 11-21	3-25 6-15	1			
A AND A	N.		Vol.	30.030.44.	.63 .53 .92 .88	653	Quality of records:			
PER HOUR SELECTED			2 h	Date	11-8 8-2 8-1 7-23 6-13	8-3 3-22 11-25 6-3 9-1	8-8 6-15	ality o		
INCHES I		our	Vol.	.76 .59 .33	83. 11. 12. 12. 12. 13. 14.	.59	1			
SES IN		1 hour	Date	11-8 8-2 7-17 7-23 6-13	8-3 5-22 11-25 6-3 9-1	8-8 6-15	n June			
DISCHAR	MUM	ARGE	Rate	1.51 .32 1.05 .97	.93 .69 .88 .75	.71	ds bega			
ANNUAL MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	11-8 8-2 7-22 7-23 6-7	8-3 5-22 11-25 6-3 9-1	8-8 6-15	a - Records began June 18.			
ANNUAL		YEAR		a 1943 1944 1945 1946 1947	1948 1949 1950 1951 1952	1953	Notes: a			

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ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM HAGERSTOWN, MARYIAND Watershed W-I	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours 12 hours 1 day 2 days	e Vol. Date Vol. Date Vol. Date Vol.	22 .24 6-22 .24 6-22 .24 6-22 .25 6-22 .24 6-22 6-22 6-22 6-22 6-22 6-22 6-22 6-	23 .05 12-26 .05	excellent except for those that are estimated, which are fair.
	MAXII	1 hour 2 hours	Date Vol. Date Vol. Date	8-31 e .04 8-31 e .05 8-31 6-22 .20 6-22 .21 6-22 9-25 .10 9-25 .12 9-25 8-12 .12 8-12 .14 8-12	12-26 .03 12-26 .04 12-26 .05 5-23 .16	n Apr. 27. Quality of records: Nov. 13. e - Estimated.
		YEAR DISCHARGE	Date Rate	a 1938 8-31 e .08 1939 6-22 .46 1940 9-25 .14 1941 8-12 .27	1943 12-26 -03 1 1944 5-23 -21 0 1946 8-22 -08 0 1947 6-8 -28	Notes: a - Records began Apr. 27. b - Record ended Nov. 13.

-	HAGEKSIOWN, MARTLAND	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ours 6 hours 12 hours 1 day 2 days 8 days	Vol. Date Vol. Date Vol. Date Vol. Date Vol. Date Vol.	15 12-9 .26 12-9 .34 12-5 .37 12-9 .48 12-9 .34 12-5 .37 12-9 .48 12-9 .93 6-22 .95 6-22 .98 1-29 2.03 1-6 9-25 .81 9-29 1.07 9-24 1.17 9-24 1.28 9-24 1.88 1-2 .27 4-5 .35 4-5 .43 4-5 .43 1.05 3-11 1.05 2 .29 .20 .29 .20 .35 4-5 .43 1.05 1.05 1.0-14 2.74	1 .22 3-17 .29 3-17 .35 2-5 .59 2-5 .69 2-4 1.62 .22 12-11 .46 12-11 .52 1-30 .70 1-30 .89 3-21 1.29 .25	of records: excellent. b Records ended Nov. 30.				
R HOUR AND AN	LECTED TIME I	4	2 hours	Date Vol.	12-9 6-22 9-25 4-5 10-15 10-15	3-17 .12 12-11 .22 12-5 .23 6-2 .26 1-30 .08	Quality of records:				
5-59 ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	INCHES FOR SE							l hour	Date Vol.	12-9 6-22 7-27 12-24 10-15 10-15	11-8 12-11-13 12-5 1-30 1-30
	F RUNOFF IN	MAXIMUM	MAXIMUM DISCHARGE		90.09 22 1.01 49. 44 41. 42	8 21 12 28 28 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Records began Sept. 27.				
5-59 ANNUAL MAXIMU VOLUMES OI	VOLUMES O		YEAR DIS	Date	a 1938 12-9 1939 6-22 1940 7-27 1941 12-24 1942 7-20	1943 1944 1945 1945 1946 1947 1-30	Notes: a Rec				

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			ys	Vol.	4.16	1.97		
-1-	-1		8 days	Date	1-5	1-16 1.97		
	Watershed W-1		ys	Vol.	2.13	.82		
	Wate		2 days	Date	1-5	1-19		
	LABAMA	ERVAL	ERVAL	Vol.	1.67	94.		
	AUBURN, ALABAMA	IME INT	l day	Date	1-6	1-20		
	AU	ECTED T	FOR SELECTED T	ırs	Vol.	1.67	.33	
		FOR SEL		Date	1-6	1-20		
	XIMUM S	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	46.0	.22		
	NUAL MA		6 hours	Date	1-6	1.20		
	AND AN TIME I	M	2 hours	Vol.	44.0	.10		
	ER HOUR			Date	1-6	1-20		
	NCHES P S FOR S		ä	ä	Vol.	0.26	.05	fair.
	ES IN I N INCHE		l hour	Date	1-6	1-20		
	SCHARG UNOFF I	IUM	RGE	Rate	0.29	96.	f recor	
	ALL MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL WAX.	MAXIMUM	DISCHARGE	Date	1-6	1-20	Quality of records;	
	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNGEF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1946	1947	Notes: 6	



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VERO BEACH, FLORIDA Watershed W-1	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs 1 day 2 days 8 days	Vol. Date Vol. Date Vol. Date Vol.	0.444 10-3 0.80 10-2 1.444 9-30 2.91	.27 10-25 .53 10-18 1.00 10-18 3.39	.55 10-9 1.08 10-9 1.97 10-4 4.39	.42 6-19 .81 6-19 1 ₀ 45 6-16 3 ₀ 51	.14 6-30 .27 6-30 .44 6-29 .82	.89 10-16 1.71 10-16 2.94 10-15 5.85	
Waters		2 days	-							
FLORIDA	AL	-	-	.80 10		.08 10			.71 10	
BEACH,	INTERV	l day								
VERO	TIME		Н	17	27 10	35 10			9 10	
	LECTE	12 hours	Vol	7.0						
	FOR SE	12 h	Date	10-2	10-25	10-9	6-19	6-30	10-16	
XIMUM	VOLUME	urs	Vol.	12°0	7.	ĸ.	প্ত	80°	\$45	
NUAL MA	AXIMUM	6 hours	Date	10-2	10-25	10-9	6-19	6-30	10-16	
AND AN	M		Vol.	0.08	.05	.10	8	•03	•16	
ER HOUR		2 hours	Date	10-2	10-25	10-9	6-19	05-9	10-16	
NCHES PI		ur	Vol.	0°04	.03	.05	† ₀ •	8	8	1
ES IN I		1 hour	Date	10-2	10-25	109	6-19	6-30	10-16	a: fair
DISCHARGI	AUM.	LRGE .	Rate	†0°0	•03	•05	†lo•	ಇಂ	8	f records
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	10-2	10-25	10-9	6-19	9-30	10-16	mlity on
AINTUAL N		YEAR		1951	1952	1953	1954	1955	1956	Notes: Quality of records: fair.

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			Vol.	8.03	
		8 days	1—) to
Q		8	Date	10-16	om 5(
shed W-		s s	Vol.	91•4	d of fr
Water		2 days	Date	10-16	a perio
FLORIDA Taylor	VAL		Vol.	2,28	nce in
VERO BEACH, FLORIDA Watershed W-2 (Upper Paylor Creek)	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 day	Date V	10-16	ocar o
VERO	CED TIM		Vol. D	1.23	ed to
	SELECT	12 hours	М		вхрест
	FOR	77	Date	10-16	eq 1
XIMUM	VOLUME	urs	Vol.	0.62	orm can 1957.
NUAL MA	XX IMUM	6 hours	Date	91-01	956 sto Jan. 1,
AND AND TIME II	M	ırs	Vol.	0.21	t the 1 began
R HOUR		2 hours	Date	10-16	ate tha Record
CHES PE FOR SE		H	Vol.	0.11	good.
S IN IN INCHES		1 hour	Date	10-16	Votes: Storm frequency analysis indicate that the 1956 storm can be expected to occur once in a period of from 50 to 100 years. Quality of records; good. Record began Jan. 1, 1957.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	>:	E	Rate	0.11	luency s
MUM DIN	MAXIMUM	DISCHARGE		10-16	m freq Qualit
LUMES		D.	Date		Stor
ANNUAL		YEAR		1956	Notes:

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hed W-3		s 8 days	Vol. Date Vol.	6.21 10-15 8.67	Storm frequency analysis indicate that the 1956 storm can be expected to occur once in a period of from 50 to s. Quality of records; fair. Record began Jan. 1, 1957.
VERO BEACH, FLORIDA Watershed W-5 (Taylor Creek Sub-Area)		2 days	Date	3.14 10-15	n a peri
H, FLORI	TERVAL	1 day	Vol.		once i
RO BEAC (Tayl	TIME IN	1	Date	10-15	o occur
VE	ECTED	ours	Vol.	2.55	scted t
X IMUM S.	FOR SEI	12 hours	Date	10-15	ре ехр
	VOLUME	urs	Vol.	1,35	rm can
INUAL MA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	10-15	1956 sto Jan. 1
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	A	urs	Vol.	24.0	at the] d began
		2 hours	Date	10~15	sate the Recor
		ur	Vol.	[†] ਫ਼•°0	is indi
		1 hour	Date	10-15	analys.
	MUM	ARGE	Rate	0.25	equency ity of
MAXIMUM D	MAXIMUM	DISCHARGE	Date	10-15	Storm fr s. Qual
ANNUAL		YEAR		1956	Notes: Stor 100 years.



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ANNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARC RUNOFF	SES IN I	INCHES I	PER HOUR	AND AN TIME I	NUAL MA	XIMUM		AMER	AMERICUS, GEORGIA	ORGIA	Wate	Watershed W I	1 1	
	MAXI	MAXIMUM				M	AXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED I	TME INT	ERVAL				
YEAR	DISCHARGE	MARGE	1 hour	ur	2 hours	urs	sinoy 9	urs	12 hours	urs	l day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1938	6-6	1.06	6-6	0。54	6-6	99.0	6-6	9-9 0.72	6-6	0.72	6-6	0.72	6-6	0.72	6-6	0.72
1939	7-2	4.	7-2	8	7-2	.21	7-2	12.	7-2	٦.	7-2	য়	2-27	.25	2-25	4€.
1940	6-9	.29	2-17	•16	2-17	.17	2-17	•31	2-17	84.	2-17	•59	2-17	.63	2-9	.81
1941	12-23	•19	12-23	8.	12-23	•10	12-23	7.	12-23	.18	12-23	.19	12-23	ಜ	12-23	32
1942	8-11	89.	8-11	•33	8-11	.43	8-11	.78	8-11	.87	8-11	.87	8-11	.87	86	.97
1943	3-17	•14	3-17	i	3-17	•19	3-17	.29	3-17	•29	3-17	•29	3-17	83.	3-17	.29
Notes: 1	Notes: Records began 7-21-38; ended 6-8-43.	egen 7-5	21-38; e	nded 6		Quality	Quality of records - good.	ords -	good.							

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		days	Vol.	0.32	ૹ઼	•05	90°	.01		
Ħ		8 da	Date	66	2-21	8-0	12-4	3-21		
Watershed W II		78	Vol.	0.32	.15	40.	40°	•01		
		2 days	Date	6-6	2-27	8-9	11-5	3-21		
	TRAT	ty.	Vol.	0.32	.15	‡0°	ф0°	.01		
AMERICUS, GEORGIA	OME INTE	l day	Date	6-6	2-27	8-9	11-5	3-21		
AMERI	CLED T	ırs	Vol.	0.32	60.	40°	фO.	.01		
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	66	2-28	2-9	11-5	3-21		good.
	VOLUME I	ırs	Vol.	0.32	80.	ф0°	40°	0.		ords -
	V TOWIT X	6 hours	Date	6-6	2-28	8-9	11-5	3-21		oar jo
	W	urs	Vol.	0.23	90°	•03	†0°	10.		Quality of records - good.
		2 hours	Date	6-6	2-27	6-0	11-5	3-21		8-42.
		ur	Vol.	0.15	90°	-05	†0°	•01		ded 3-2
		l hour	Date	6-6	2-27	8-0	11-5	3-21		38; er
	TUM	RGE	Rate	0.31	•10	8	दाः	•05		egan 8-1
MES OF 1	MAXIMUM	DISCHARGE	Date	6-6	2-28	8-0	11-5	5-6		ecords b
ANNUAL A VOLU		YEAR		1938	1939	1940	1941	1942		Notes: Records began 8-1-38; ended 3-28-42.
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		78	Vol.	0.30	60°	10.	90.	E4	
Ħ		8 days	Date	9-56	2-25	5-1	12-23	3-E	
Watershed III		78	Vol.	0.30	Lo.	.01	10.	E4	
Wate		2 days	Date	9-56	2-27	5-1	11-5	3-27	
EORGIA	ERVAL	ay	Vol.	0.30	90*	•01	10.	e	· poo
AMERICUS, GEORGIA	IME INT	l day	Date	9-56	2-28	5-1	11-5	3-8	Quality of Records - good.
AMER	ECTED T	urs	Vol.	0.30	90°	•01	•01	E	of Reco
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS MAXIMUM VOLUME FOR SELECTED TIME TWEETERS GEORGI	FOR SEL	12 hours	Date	9-56	2-28	5-1	11-5	3-27	pelity
	VOLUME	urs	Vol.	0.30	90°	10.	10.	E4	
	AXIMUM	6 hours	Date	9-56	2-28	5-1	115	3-5	T = Trace runoff.
AND AN TIME I	M	urs	Vol.	0.29	90°	70.	٠. 10	Ęs	
ER HOUR ELECTED		2 hours	Date	9-56	2-28	5-1	11-5	3-21	-21-12
NCHES F S FOR S		ur	Vol.	0.19	₹ 0°	.01	то .	EI	anded 3-
ES IN I		1 hour	Date	92-6	2-28	5-1	11-5	13-S	21-38;
ISCHARGE UNOFF IN	AUM	ARGE	Rate	0.38	1.	90°	†0°	E	egan 7-;
AL MAXIMUM I VOLUMES OF F	MAXIMUM	DISCHARGE	Date	9-56	8-5	5-1	11-5	ਕ- _E	ecords by
ANNUAL 1		YEAR		1938	1939	1940	1941	194S	Notes: Records began 7-21-38; ended 3-21-42.

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		ys	Vol.	0.35	1.02	.52	.91	.25	3.47	
A IV		8 days	Date	9-56	2-25	5-9	12-23	8-12	1-16	
Watershed W		ys	Vol.		.67	.27	8 ⁴ °	.18	3.46	
Wet		2 days	Date	9-56	2-25	2-9	12-23	3-2	1-17	
EORGIA	ERVAL	ay	Vol.	0.35	.37	.27	94.	.18	3.27	
AMERICUS, GEORGIA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 day	Date	9-56	2-25	2-9	12-23	3-5	1-18	
AMEE	ECTED 1	urs	Vol.	0.35	.37	.27	•43	.18	2.07	
	FOR SEI	12 hours	Date	9-56	2-25	2-9	12-25	3-2	1-18	- good.
XIMUM	VOLUME	urs	Vol.	0.33	•36	.27	.41	.17	1.32	scords
NUAL MA	AXIMUM	6 hours	Date	9-56	2-25	2-9	12-25	8-19	1-18	Quality of records - good.
AND AN	Α.	urs	Vol.	0.30	•29	12.	•35	.15	68°	
ER HOUR		2 hours	Date	6-6	2-25	5-9	12-25	8-19	1-18	-11-43
NCHES FOR S		ur	Vol.	0.22	•19	,1 ⁴	.27	.12	.53	ended 5
ES IN I		1 hour	Date	6-6	2-25	2-9	12-25	8-19	1-18	23-38;
DISCHARC	AUM	ARGE	Rate	0.35	.29	ф г °	24°	•35	•56	egan 7-
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-6	2-25	2-9	12-25	3-21	1-18	ecords b
ALMNUAL A		YEAR		1938	1939	1940	1941	1942	1943	Notes: Records began 7-23-38; ended 5-11-43.

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1	VOLUMES OF	KUNOFF	IN TINCHE	RUNOFF IN INCHES FOR S	SELECTED	O TIME	TIME INTERVALS	Ŋ		WAT	KINSVII	LE, GEO	ECIA Wa	WATKINSVILLE, CEORGIA Watershed W-1	M-1	
-	MAXIMUM	MUM				2	MAXIMUM VOLUME FOR	VOLUME	FOR SEL	SELECTED T	TIME INTERVAL	ERVAL				
	DISCHARGE	VARGE	1 hour	nr	2 ho	hours	6 hours	urs	12 hor	hours	1 d	day	2 da	days	8 da	days
+	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1939 1940	9-30	0.05	9-30	0.01	9-30	0.01	12-26	0.01	12-26	0.01	12-26 8-12 e	0.01	12-26 8-12	0.02	12-23 8-12	0.0 0.00
1942 1943 1945 1945	7-11 8-17 1-18 4-26 4-25	1.96	7-11 8-17 7-13 4-26 4-25	1.09 .80 .76 .80	7-11 8-17 7-13 4-26 4-25	1.25	7-11 8-17 1-18 4-26 4-24	1.25 1.25 1.75 1.82	7-11 3-21 1-18 t-26	1.32 1.13 1.23 1.25 2.25	7-11 3-21 1-18 4-26 4-25	1,32 14,03 14,03 1,03 1,03 1,03 1,03 1,03 1,03 1,03 1	7-5 3-21 1-18 4-26	1.35 1.35 1.25 2.23 2.29	7=5 8-16 1=17 3-22 4-24	2.08 2.16 2.13 2.03
1947 1947 1948 1949 1950	1-6 1-20 11-26 4-30 10-20	양양급 각양	1-6 1-20 11-26 4-30 10-20	1.56 .18 .38 .13	1-6 1-20 11-26 4-30 10-20	1.94 20. 30. 30. 30. 30.	1-6 1-19 11-26 4-30 10-20	2.20 2.63 1.0.57 1.0.57	1-6 1-19 11-26 4-50 10-20	2.94 .91 2.91 .99	1-6 1-19 11-28 4-30 10-20	3.03 1.39 5.06 1.17 .78	1-5 1-19 11-27 4-30 10-19	3.40 2.17 4.35 1.33	1-5 11-22 4-29 10-19	2.50 6.80 1.52 88
1951 1952 1953 1954 1955	4-22 3-11 5-1 7-26 2-6	8 8 8 8 8 8	12-20 3-11 12-13 7-26 2-6	000 000 000 000 000	12-20 3-11 12-13 7-26 2-7	00.00.00 04.00.00	12-20 3-24 12-13 7-26 2-7	18 47 002 03	12-20 3-24 1-9 7-26	24-74- 20-24-	12-20 3-24 1-10 7-26 2-7	<u> </u>	12-20 3-24 1-9 7-26 2-6	11.00.00 00.00 00.00	12-18 3-18 1-8 7-26 2-6	1.00 1.00 .10 .03
1956	3-16	003	3-16	• 03	3-16	• 05	3-16	660	3-16	411. •	3-16	e •17	3-15	• •19	3-15	8

- Partially estimated. Quality of records; good except for those that are partially estimated, which are fair.

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RIGH FOINT, N. C. West Fork Deep River Watershedly SELECTED TIME INTERVAL	12 hours 1 day 2 days 8	Vol. Date Vol. Date Vol. Date	NR 87-23 0.64 87-23 0.70 87-23 NR 82-11 1.01 82-11 1.35 82-10 NR 82-11 1.01 82-11 1.35 82-10 NR 81-18 1.03 81-18	.78 9-19 1.37 9-19 1.88 9-18 .82 2-26 .26 .26 .27 1.25 10-1 2.02 2-26 .25 .25 .25 .25 .25 .25 .25 .25 .25 .25	.42 8-13 .50 8-13 .54 8-13 .54 8-13 .55 .52 .98 2-25 .98 2-25 .98 .98 3-12 .91 .96 1.36 1.36 1.18 2.21 4-2 .78 1.18 1.18 1.15 1.15	.51 7-23 .63 7-23 .74 7-18 .82 .82 .8-18 1.15 8-17 1.81 8-1786 8-1326 7-19 .35 7-19 .39 7-12 1.01 3-8 1.27 3-8 1.36 3-3	.52 1-18 .72 1-18 1.00 2-4 e.76 4-11 e1.07 3-28 e1.29 4-11 1.42 9-17 2.16 9-16 2.84 9-14 1.08 2-10 1.59 2-10 1.82 2-9 3.76 9-24 4.50 9-24 4.67 9-21
FOR		1. Date	NR NR	9-19 50 2-28 10-15 10-17 10-17	.26 8-13 .32 2-26 .26 3-12 .41 1-19	7-23 5-18 8-18 5-14 6-13 6-13	2 -19 8 8-11 9-17 9-24 9-24
TIME INTERVALS MAXIMUM VOLUME	6 hours	Date Vol	NR NR NR NR NR NR NR NR NR	9-19 2-28 1-15 1-15 10-17	8-13 2-26 3-12 21-1 91-1	7-23 8-18 5-29 6-13 3-8 6-13 16	1-19 • 345 4-12 • 45 9-17 • 78 2-10 • 59 9-24 2 31
TIME	hours	Vol.	EN EN EN	51. 50. 70.	0110161		51. 6.16. 19. 18.
SELECTED	2 hc	Date	EN EN EN	9-19 2-28 6-8 8-22 10-17	8-13 2-26 3-12 1-19 1-19	7-23 8-18 5-30 6-13	9-18 9-18 9-24 9-24
INCHES FOR S	our	Vol.	AN NO	23341	2000	283361	6.08 41.014
IN INCH	1 hour	Date	NR NR NR NR NR NR NR NR NR OPERATION	9-19 2-28 6-8 8-22 10-17	8-13 2-26 3-13 1-19 1-19	7-23 8-18 5-30 6-13	9-19 81-8 9-18 9-18
RUNOFF IN	ARGE	Rate	NR •06 •05 •05 NOT IN	P. 51 50 45 11	000019	7.88. 1.0.4.	% 4114
VOLUMES OF RUN	DISCHARGE	Date	NR 9-29 2-11 1-18 STATION	9-19 2-28 6-8 8-22 10-17	8-13 2-26 3-13 1-19	7-23 8-18 5-30 6-13 3-9	2-19 9-18 8-10 9-24
NO.	YEAR		1923 1924 1925 1926 1927	1928 1929 1930 1931	1933 1934 1935 1936 1937	1938 1940 1941 1941	1943 1944 1945 1946

6-59 Revised

g		7.5	Vol.	2.65 2.65 1.48 2.21	2.32	record
BIGH POINT, N. C. West Fork Deep River Watershed		8 days	Date	11-27 10-28 5-11 12-18 3-3	2-15 1-15 8-14	those .
River		Lys	Vol.	984 984 984	1.09 1.23	and for
rk Deer		2 days	Date	11-28 10-30 5-11 12-20 3-3	2-20 10-15 8-17	to 1928
West FC	INTERVAL	l day	Vol.	1.07 1.67 1.68 1.97	.91 e1.86 1.14	prior
: :	TIME IN	7	Date	11-28 10-30 5-11 12-20 3-3	2-21 10-15 8-17	: DOOL
H POTINE		ours	Vol.	0.0 0.1 04. 10. 99.	.57 e1.43	records
	FOR SELECTED	12 hours	Date	11-28 10-30 5-11 12-21 3-4	3-23 10-15 8-17	ity of
nd	VOLUME	6 hours	Vol.	0 66 98 78 78 8	e.85 42	1. Qual
INTERVAL	MAXIMUM VOLUME	6 hc	Date	11-28 10-31 5-12 12-21 3-4	3-23 10-15 8-17	stimate
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E FOX		nr	Vol.	० ऽ ऽ ऽ ऽ ऽ ऽ ऽ	.07 e.15 .07	L.1) e
IN TINCH		1 hour	Date	8 5 5 5 5 8 8 5 5 5 5 8	3-24 10-15 8-17	Sheet 1
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VOLUMEN OF	MAX IMUM	DISCHARGE	Date	11-28 10-31 5-12 12-21 8-31	3-24 10-15 8-17	otes: (Continued from Sheet 11.1) e - partially estimated. Quality of records: poor prior to 1928 and for those record
VOL		XEAR		1948 1949 1950 1951 1951	1953 1954 1955	Notes: (Continued from Sheet 11.1)



		ys	Vol.	2.09	2.07	4.16	3.11	2.05	2.85	1.97	±7.		
ershed		a 8 days	Date	6-2	3-26	7-4	1-15	7-21	2-26	5-29	3-28		
eek Wat		/S	Vol.	1.08	1.03	2.45	1.86	1.37	1.16	1.71	•39		
Muddy Creek Watershed		a 2 days	Date	11-30	3-12	9-4	1-19	7-23	2-9	5-30	3-28		
	ERVAL	day	Vol.	0.92	99	1.71	1.02	1.24	.87	1.48	.32		
HIGH POINT, N. C.	TWE INT	a 1 d	Date	12-1	1-4	9-4	1-19	6-28	2-26	5-30	3-28		
IGH POI	ECTED T	urs	Vol.	MR									ole.
- H	FOR SEL	12 hours	Date	MR									availa
XIMUM	VOLUME	urs	Vol.	N.									ord not
NUAL MA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	Ħ									NR - record not available.
AND AN TIME I	×	urs	Vol.	MR									
ER HOUR		2 hours	Date	Ä									a - calendar day.
NCHES I	1	ur	Vol.	NR									8 - CB.
ES IN I		l hour	Date	MR									19-34.
DISCHARC RUNOFF 1	MUM	ARGE	Rate	20.0	MR	સ	MR	ਨ•	60°	•16	†0°		egan 5-
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	2-9	NA NA	8-7	Ħ	6-28	2-26	5-30	7-10		Notes: Records began 5-19-34.
ANNUAL 1		YEAR		1934	1935	1936	1937	1938	1939	1940	1941		Totes: R
		-								11	2		H

Quality of records: good except for 1934 and 1941 which are fair.

	AINIUAL VOI	MAXIMUM LUMES OF	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL NAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED THE INTERVALS	ES IN I	NCHES I	PER HOUR	AND AN	NUAL MA NTERVAL	X IMUM	нтсн Р	HIGH POINT, N. C.		arie (1	Unarie (Wharrie) River Watershed	e) River	Water	bed
		MAX	MAXIMUM				M	AXIMUM	VOLUME	FOR SEL	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	IME INT	ERVAL				
	YEAR	DISC	DISCHARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	a 1 day	ay	a 2 days	ys	a 8 days	ys,
		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
	1934	9-9	0.10	EN.	M	EN	MR	MR	Ä	Ä	M	9-9	0.50	6-5	0.92	1-9	1.81
	1935	7-13	.10									3-12	9.	3-12	1.02	3-6	1.36
	1936	10-8	₽.									1-19	1.50	9-4	1.98	h-2	3.37
	1937	Ä	MR									1-19	1.00	1-19 1.61	19.1	1-15	2.53
	1938	7-23	8									12-26	•36	12-26	£.	7-23	46.
33	1939	2-26	41.									2-26	.91	2-26	1.02	2-26	2.61
_	1940	8-14	.29									8-14	1.69	8-14	2.02	8-14	2.33
	1941	7-17	e .30									7-17	. 82 S2	7-17	e .86	7-17	1.04
	Notes:	Records record	es: Records began 5-16-34, a - calendar day. NR - record not available. Quality of records:	-16-34. Lable. 6	a - ca	a - calendar day.		e - part	tially e	e - partially estimated. good except for 1935 - f	e - partially estimated. good except for 1935 - fair and 1941 - poor.	nd 1941	- poor				



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STATESVILLE, N. C. Watershed C-8	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours 1 day 2 days	Date Vol. Date Vol. Date Vol.	8-18 1.12 8-15 1.45 8-15 1.45	3-27 3-27 3-27 3-27 3-27	7-14 1.81 7-14 1.85 7-14 1.85	4-6 .76 4-5 .83 4-5 .83	7-6 1.14 7-6 1.14 7-4 1.21	6-20 1.62 6-20 1.62 6-20 1.62	
NNUAL MAXIMUM INTERVALS	WAXIMUM VOLUME	6 hours	Date Vol.	8-18 1.12	3-27	7-14 1.81	19. 9-4	7-6 1.14	6-20 1.62	
ER HOUR AND AI ELECTED TIME	1	2 hours	Date Vol.	8-18 1.11	3-27	7-14 1.81	η-6 .50	7-6 1.14	6-20 1.61	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		1 hour	Date Vol.	8-18 1.10	3-27 .12	7-14 1.71	94. 9-4	7-6 1.14	6-20 1.444	ds good.
M DISCHARGE F RUNOFF ID	MAXIMUM	DISCHARGE	Rate	4.59	•30	3.65	1.29	3.94	2.59	Quality of records
AINTUAL MAXIMU VOLUMES O	MA	YEAR DIS	Date	1933 8-18	1934 6-23	1935 7-14	1936 4-5	1937 7-6	1938 6-20	Notes: Qualit

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		ys	Vol.	0.34	•95	46.	2.75	1.59	2.31		
W-23		8 days	Date	2-13	3-24	3-19	12-31	1-17	7-18		
Watersbed W-23		ys	Vol.	0.30	8	92.	1.51	1.18	1.88		
Wat		2 days	Date	2-15	3-27	3-25	1-2	1-19	6-20		18.
N. C.	TERVAL	1 day	Vol.	0.30	92.	•65	1.40	.83	1.84		padition
STATESVILLE, N. C.	TIME INTERVAL	1 0	Date	2-15	3-27	3-25	1-18	1-19	6-20		cing c
STATE	ECTED T	nrs	Vol.	81.0	87.	·45	88	49.	1.69		lue to 1
	FOR SEI	12 hours	Date	2-7	3-27	3-25	1-2	1-19	6-20		nable d
X IMUM S	MAXIMUM VOLUME FOR SELECTED	urs	Vol.	41.0	•36	.29	•62	. h2	1.51		questic
NUAL MA	MXIMUM	6 hours	Date	2-7	3-27	3-25	1-2	1-19	6-20		ich is
AND AN	M	urs	Vol.	0.05	•15	•12	•29	.18	1.13		1934 W
ER HOUR		2 hours	Date	2-7	3-27	3-25	8-8	1-19	6-20		pt for
NCHES F		m	Vol.	0.03	60°	•05	•16	80°	82		d, exce
ES IN I		1 hour	Date	3-14	3-27	7-10	8-8	1-19	6-20) = g
DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MUM	ARGE	Rate	0.05	70°	90°	8	60°	1.25		record
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-18	3-27	7-10	ထူ ထ	10-19	6-20		Notes: Quality of records - good, except for 1934 which is questionable due to icing conditions.
AINTUAL		YEAR		1933	1934	1935	1936	1937	1938		Notes: 6
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AXIMUM BLACKSBURG, VA. Watershed W II	WAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours 12 hours 1 day 2 days 8 days	Vol. Date Vol. Date Vol. Date Vol. Date Vol.	0.42 8-15 0.42 8-15 0.42 8-15 0.42 8-14 0.77	.35 8-14 44 44 8-14 43 5-24 57	0	88° C-5 61-3 65° 61-5 84° C-9 84°	12.01 7-7 41.01 7-7 10.01 0-7 07. 0-7 0-7 0.21	. 45 5-24 .45 5-24 .45 5-24 .45 5-24 .45	10° 9-8 10° 9-8 10° 9-8 10° 9-8 10°	007 7-2 07 7-2 07 7-2 007 7-2 0.0	0.03 7-9 0.03 7-9 0.03 7-9 0.03 7-9 0.03	90° 8-9 90° 8-3 00° 4-8 90° 908 9-3 00°	00° 7-13 00° 7-13 00° 7-13 00° 7-10 00°	40° 72-6 40° 75-5 40° 75-5 40° 75-6 40° 75-6 40°	T 1-14 T 1-14 T 1-14 T 1-14 T	Theore mindff Dislity of records - excellent.
IN INCHES PER HOUR AND ANNUAL MAXIMUM MCHES FOR SELECTED TIME INTERVALS		2 hours	1. Date Vol	0.41 8-15 0.42	.28 5-24 .29	0	84. 6-5 84.	29. 6-7 29.	4t-6 12-5 5t-	10. 8-6 10.	.07 7-2 .07	.03 7-9 .03	40° 4-8 40°	900 7-13 000	.03 5-27 .03	1-14	E (2-0-1)
	M	GE 1 hour	Rate Date Vol	3.97 8-15 0.	,96 5-2 ⁴	0	4.26 6-5	2.58 7-9	1.04 5-24	.08 8-6	.26 7-2	.12 7-9	. 4-8 11.	.23 7-13	.67 5-27	T 1-14 T	December 1, -01, -20. and ad 1, -0-51
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 1	MAXIMUM	YEAR DISCHARGE	Date	1939 6-8	1940 5-30	1941	1942 6-5	1943 6-6	1944 5-24	1945 8-6	1946 7-2	1947 7-31	1948 8-4	1949 7-13	1950 5-27	1951 1-14	No+on

			ys	Vol.	0.73 0.00 100 78	ជ់ជំនំនំវ	% 88944	10°.02	
	H		8 days	Date	8-14 8-7 7-5 6-10	5-24 7-27 7-2 8-21 7-31	7-6 5-26 7-29 8-8 5-19	10-15 2-6 6-26	
	Watershed W III		ys	Vol.	0.37 .01 .03 .63 .63	ជ់ជំនួន់ជ	41.00.00.	# *01	
	Water		2 days	Date	8-14 8-14 7-5 6-16	5-24 7-27 7-2 8-21 8-3	7-6 5-26 7-29 8-8 5-19	10-15 2-6 6-26	
	VA.	ERVAL	ay	Vol.	0.37 28 .01 .03 .76	។	4.0000	1.00.	
	BLACKSBURG, VA.	TIME INTERVAL	l day	Date	8-14 8-14 7-5 6-16 7-9	5-24 7-27 7-2 8-21 8-4	7-6 5-27 7-29 8-8 5-19	10-15 2-6 6-26	
	BLACE	ECTED T	urs	Vol.	85. 10. 54.	<u> </u>	41. 50. 10. 10.	1.0°.0°.	Quality of records - excellent.
		FOR SEL	12 hours	Date	8-15 8-14 7-5 6-16 7-9	5-24 7-27 7-2 8-21 8-4	7-6 5-27 7-29 8-8 5-19	10-15 2-6 6-26	ls - exc
	KIMUM	VOLUME 1	ırs	Vol.	0.36 45. 10. 34.	<u> </u>	41. 00. 10. T	T.00.	record
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED	6 hours	Date	8-15 8-14 7-5 6-16 7-9	5-24 7-27 7-2 8-21 8-4	7-6 5-27 7-29 8-8 5-19	10-15 2-6 6-26 6-26	ality of
	AND AND	M	urs	Vol.	0.36 22. 01. 07. 64.	<u> </u>	41. 20. 10.	E E C C C C C C C C C C C C C C C C C C	
	ER HOUR ELECTED		2 hours	Date	8-15 8-14 7-5 6-16 7-9	5-24 7-27 7-2 8-21 8-4	7-6 5-27 7-29 8-8 5-19	10-15 2-6 6-26	Trace runoff.
	NCHES P. S FOR S.		ur	Vol.	0.36 .17 T. 49 .45	8. E. SO. 70.	41.00° E	64 Et .	T = Tra
	ES IN I N INCHE		1 hour	Date	8-15 8-14 7-5 6-16 7-9	5-24 7-27 7-2 8-21 8-4	7-6 5-27 7-29 8-8 5-19	10-15 2-6 6-26	
	ISCHARG UNOFF I	UM	RGE	Rate	1.36 42. 10.01 89.	<u> </u>	48°0°0°	T. •02	gan 4-2
	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR VOLUMES OF RUNOFF IN INCHES FOR SELECTED	MAX IMUM	DISCHARGE	Date	6-8 8-14 7-3 6-5	5-24 8-21 8-21 4-8	7-6 7-27 7-29 8-8 6-13	8-27 7-10 6-26	Notes: Records began 4-21-39.
16-1	ANNUAL A		YEAR		1939 1940 1942 1948 1943	1944 1945 1946 1947 1947	1949 1950 1951 1952 1953	1954 1955 1956	Notes: Re
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		8 days	e Vol.		-35	7 -03	00.	23 -02	60.	
W IV		8	Date	1-11	8-5	8-7	8-20	6-23	8-31	
Watershed W IV		ays	Vol.	0.01	42°	•03	8	90.	.07	
Wate		2 days	Date	11-11	8	8-7	8-20	6-23	9-6	
, VA.	ERVAL	ay	Vol.	0.01	,24	.03	900	900	70°	
BLACKSBURG, VA.	IME INI	l day	Date	11-11	8-8	8 - 7	8-20	6-23	9-6	
BLA	ECTED T	urs	Vol.	0.01	.23	.03	°05	-02	70 °	
	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	11-11	φ &	8-7	8-20	6-23	9-6	
XIMUM	VOLUME	urs	Vol.	0.01	ឌុ	.03	ଷ୍ଟ	°05	200	
NUAL MA	AXIMUM '	6 hours	Date	11-11	8	8-7	8-20	6-23	9-6	
AND AN TIME I	M	urs	Vol.	0.01	នុ	.03	90.	8	-07	
ER HOUR ELECTED		2 hours	Date	11-11	8	8-7	8-20	6-23	9-6	
NCHES P. S FOR S.		ur	Vol.	0.01	ಸ	80.	%	90.	90°	
ES IN I		1 hour	Date	1-11	8	8-7	8-20	6-23	9-6	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	UM	RGE	Rate	40°0	去。	•10	नं	.17	.15	
AXIMUM I	MAXIMUM	DISCHARGE	Date	11-11	80	8-7	8-20	6-23	9-30	
ANNUAL M VOLU		YEAR		1951	1952	1953	1954	1955	1956	

		_	_				_	-	
		/s	Vol.	0.17	90.	40° а	•05	8 8	
		8 days	Date	8-5	8-7	8-20	6-23	8-31	
Watershed W V		S	Vol.	गः0	90.	†0°	•05	•01	dr.
Watere		2 days	Date	8-8	8-7	8-20 e	6-23	8-18	Quality of records - excellent except for those that are estimated which are fair.
VA.	TRVAL	ay.	Vol.	21.0	8	40° a	•05	.01	ed whic
BLACKSBURG, VA.	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	8-8	8-7	8-20 e	6-23	8-18	estimst
BLAC	SCIED I	ırs	Vol.	21.0	8	40° •	•05	•01	at are
	FOR SEL	12 hours	Date	8-8	8-7	8-20 e	6-23	8-18	hose th
XIMUM	VOLUME 1	urs	Vol.	0.12	8	40° e	•05	.01	t for t
NUAL MA	AXIMUM 1	6 hours	Date	8-8	8-7	8-20 e	6-23	8-18	it excer
AND AN TIME I	M	urs	Vol.	0.12	8	40° e	•05	.01	xceller
ER HOUR ELECTED		2 hours	Date	8-8	8-7	8-20	6-23	8-18	ords - e
NCHES P S FOR S		nr	Vol.	0.12	0.02	to. a	•05	٥.	of reco
ES IN I		1 hour	Date	8-8	8-7	8-20	6-23	8-18	Quality
DISCHARG	4UM	ARGE	Rate	म्म • ०	80.	e .27	•33	.05	
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-8	8-7	8-20	6-23	8-18	e - Estimated.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1952	1953	1954	1955	1956	Notes: e

		days	Vol.	20°0	ıζ٠	20°	90°	.18	41.	
W VI		8	Date	12-21	8-5	8-3	8-20	2-26	8-31	
Watersbed W VI		ays	Vol.	0.02	•33	90°	90•	.15	8,	
Wat		2 days	Date	12-21	2-8	8-7	8-20	3-5	9-6	
3, VA.	TERVAL	1 day	Vol.	0.02	8.	90•	90•	Ŧ	60°	
BLACKSBURG, VA.	TIME IN	7	Date	12-21	8-8	2-8	8-20	3-5	9-6	
H	ECTED 1	urs	Vol.	0.02	93	90°	90°	60°	60°	
	FOR SEL	12 hours	Date	12-21	8	8-7	8-20	3-5	9-6	
XIMUM	VOLUME	urs	Vol.	0.02	œ.	90°	90.	200	60°	
NUAL MA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	12-21	8-8	8-7	8-20	3-5	9-6	
AND AN TIME I	M	nrs	Vol.	0.01	%	90°	90°	90°	60°	
ER HOUR ELECTED		2 hours	Date	12-21	8	8-7	8-20	6-23	9-6	
NCHES P S FOR S		nr	Vol.	0.01	.27	90•	90°	90.	60.	
ES IN I		1 hour	Date	12-21	8	7-8	8-20	6-23	9-6	
DISCHARG RUNOFF I	MUM	RGE	Rate	0.01	.61	ನ.	•33	8	8.	
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	12-21	φ φ	8-7	8-20	6-23	6-23	7
ANNUAL		YEAR		1951	1952	1953	1954	1955	1956	



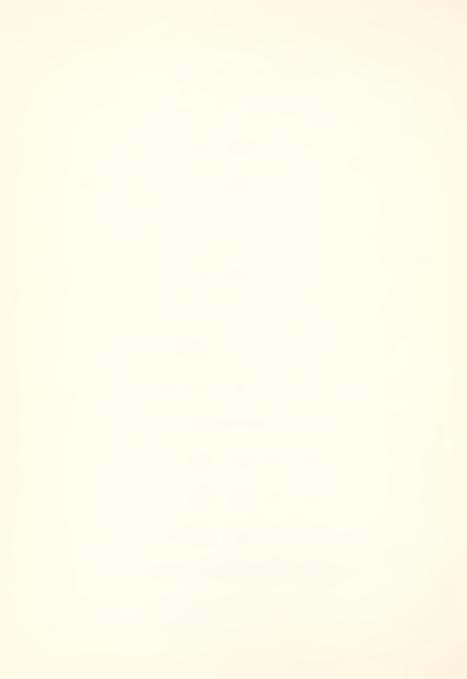
ADDITUA. V	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED THÆ INTERVALS	DISCHAR	DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	NCHES F IS FOR S	ER HOUR	AND AN TIME I	NUAL MAI	XIMUM		EATEAM	CEATEAM (DANVILLE), VA.	IE), VA		Watershed W	I M D	
	MAXI	MAX IMUM				M	MAXIMUM VOLUME		FOR SELECTED		TIME INT	INTERVAL				
YEAR	DISCF	DISCHARGE	1 hour	ır	2 hours	urs	6 hours	urs	12 hours	urs	1 day	ay	2 days	ys	8 days	y.
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1938	8-3	61.0	8-3	60.0	8-3	0.12	8-3	0.14	8-3	0.14	8-3	0.14	8-3	0.15	8-3	0.16
1939	8-18	6.9	8-14	•56	8-14	11.	8-14	.83	8-14	8	8-14	ಪ್ತ	8-14	48.	8-14	1.65
1940	7-28	1.09	8-13	.57	8-13	-86	8-13	1.34	8-13	1.77	8-13	2.72	8-13	3.68	8-11	3.77
1941	7-31	1.22	7-31	•03	12-5	•05	12-5	•05	12-5	.05	12-5	•05	12-5	•05	12-5	•05
1942	5-15	1.20	5-15	04.	5-15	24.	5-15	74.	5-15	•59	5-15	1.07	5-15	1.08	5-15	1.64
1943	4-19	•05	3-20	40°	3-20	90°	4-19	.10	4-19	•16	4-19	.17	4-19	91.	4-19	.19
1961	9-18	2.04	9-18	1.60	9-18	2.77	9-18	64.4	9-18	5.19	9-18	6.30	9-18	54°9	9-18	6.57
1945	7-15	.87	7-15	₫.	7-15	8	7-15	쟋	7-15	छ	7-15	.52	7-15	•52	7-15	52.
1946	9-5h	.32	62	.14	4-5	.18	6-2	뒪.	62	•31	62	8	6-1	8	92	040
1947	1-19	8	1-19	90°	1-19	.10	1-19	.15	1-19	•19	1-19	42.	1-19	-25	1-13	.29
1948	5-26	•26	5-26	•16	5-26	-29	5-26	L4.	5-26	°43	5-26	₹.	5-24	·45	5-24	.45
Notes:	Notes: Records began 7-15-38; ended 11-29-48.	began 7-	15-38; e	nded 11	1-29-48		Quality of records - excellent.	ecords	- excel	lent.						

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	ANNUAL	AUNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TRAE INTERVALS	DISCHARG RUNOFF 1	ES IN I	NCHES F	ER HOUR	AND AN TIME I	NUAL MA NTERVAL	XIMUM S		HATHAM	CHATEAM (DANVILLE), VA.	LE), VA	٠	Watershed W	med W II	
		MAXIMUM	MUM				M	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	VOLUME 1	FOR SEL	SCIED I	IME INT	ERVAL				
	YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	nrs	6 hours	urs	12 hours	urs	1 d	day	2 days	ys	8 days	7.8
		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
	1938	8-3	1.32	8-3	0.75	8-3	0 .88	8-3	0.95	8-3	0.95	8-2	1.08	8-2	1.08	8-2	1.08
	1939	6-13	3.75	41-8	1.19	8-14	1.32	8-14	1.38	8-18	1.69	8-18	1.77	8-18	1.71	8-14	3.09
	1940	7-29	2.09	8-14	1.01	8-14	1.54	8-14	2.30	8-14	2.79	8-14	4.82	8-14	ま。9	8-11	8.18
	1941	6-2	1.06	6-2	Š.	6-2	48.	6-2	ф£•	6-2	•3 ⁴	7-7	94°	1-1	<u>ي</u>	2-2	•75
	1942	7-9	1.49	8-17	•76	8-17	1.22	8-17	1.47	8-17	1.53	8-17	1.58	8-17	1.69	8-15	8.00
	1943	6-59	ıζ.	6-59	42°	6-5	62.	6-59	930	6-5	930	6-59	•30	1-30	ま。	1-30	水
21.	1944	9-18	3.36	9-18	2.29	9-18	3.11	9-18	4.73	9-18	6.33	9-18	7.01	9-18	7.38	9-18	7.61
	1945	1:1	.32	1-1	.25	91-6	14.	9-16	.72	9-16	1.14	9-16	1.49	9-16	1.76	9-16	1.85
	1946	9-24	2.03	9-St	8.	9-2h	1.17	9-24	1.22	9-54	1.23	9-2h	1.29	9-2h	1.29	9-1	1.86
	1947	1-19	.28	1-19	12.	1-19	.38	1-19	•52	1-19	99.	1-19	82	1-19	.93	1-12	1.05
	1948	9-29	ಸ	3-31	•05	3-31	60°	21-2	.23	2-15	•26	21-2	•36	21-2	94.	2 8	99°
	Notes: 1	Notes: Records began 7-8-38; ended 12-2-48.	egan 7-8	-38; en	ded 12-		Quality	Quality of records - excellent.	ords -	exceller	1t.						

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ANNUAL VOI	ARRIVAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ARRIAL MAXIMUM VOLUMES OF RUNGET IN INCHES FOR SELECTED THAE INTERVALS	DISCHARC RUNOFF 1	SES IN I IN INCHE	NCHES :	PER HOUF SELECTED	AND A	NNUAL MA	XIMUM	ថ	IATEAM ((DANVIL	CHATHAM (DANVILLE), VA.		Watershed W	I W III	
	MAXI	MAXIMUM				4	MAXIMUM VOLUME FOR SELECTED	VOLUME	FOR SEL		TIME INTERVAL	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2.hours	urs	6 hours	urs	12 hours	urs	1 क	day	2 da,	days	8 de	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1938	9-1	1,98	9-1	0.57	9-1	19°0	9-1	19.0	9-1	19.0	9-1	19.0	9-1	0.61	11-19	19.0
1939	86	1.53	9-8	•63	86	*1/t*	8-18	98°	8-18	कुं	8-18	.95	8-18	•95	2-10	1.20
1940	8-31	1.93	8-31	02.	8-13	8.	8-13	1.62	8-13	2,40	8-13	3.44	8-13	4.38	8-11	4.67
1961	6-2	2.21	6-2	•76	6-2	•79	6-2	8.	6-2	\$6°	6-2	₽,	6-2	48°	6-2	.85
1942	5-15	.77	5-15	•53	5-15	•70	5-21	.83	5-21	.87	5-15	8	5-15	8.	5-15	1.89
1943	6-59	水。	6-17	.32	6-5	04°	6-59	.43	6-59	£43	6-5	.43	6-59	.43	6-59	۰43
1944	9-18	1.97	9-18	1.32	9-18	1.91	9-18	2.96	9-18	4.99	9-18	6.9t	9-18	7°06	9-13	7.66
1945	7-15	11.	7-15	64.	7-15	%	7-15	-89	7-15	86	9-16	8,	9-16	1.19	9-14	1.27
1946	9-2h	•56	9-5h	.38	9-2h	94°	9-54	84.	9-54	84.	9-54	ૹૢ	9-23	47.	7-9	.TT
1947	9-2	44.	9-54	.25	9-5th	64.	9-54	1.18	9-54	1.49	9-24	1.62	9-54	1.62	9-54	1.62
1948	6-13	5 [†] 6	6-13	.28	6-13	32	6-13	8	3-31	4.	3-31	99•	2-12	82	2-12	.97
									· · · · ·							
Notes.	Beaning heren 7-30-38 ended 11-90-b8.	Tagen 7	30-38.	anded 1	1-20-b8	- 1	Onel+ty of monords = aveallant	a parouga	1	Jone						



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VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	UNOFF I	ANNUAL WAALMUN DISCHAMAES IN INCHES FEK HOUK AND ANNUAL MAKIMUM VOLUMES OF RUNGF IN INCHES FOR SELECTED TIME INTERVALS	INCHES I	SELECTED	TIME	NTERVAL	ಬ	ഗ	TAUNTON	STAUNTON, VA. BELL CREEK	ELL CRE		Watershed	I M	
MAXIMUM	IUM				X	AXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL				
DISCHARGE	RGE	1 hour	ını	2 hours	urs	6 hours	urs	12 hours	urs	1 d	day ,	2 days	ys	8 da	days
Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
6-22	0.02	11-19	0.01	11-19	0.02	12-3	0.05	12-3	90°0	12-30	80.0	12-30	0.12	क्ट-टा	0.21
4-13	04.	4-13	.27	4-13	•37	4-13	£4°	4-13	44.	4-13	74.	4-13	85	6-17	•76
5-31	10.	5-31	*01	5-31	10.	5-31	0.02	3-28	90°	3-28	.03	3-28	•05	3-23	य:
71-1	10.	4-12	10.	4-12	.01	4-12	0	4-12	†0°	4-12	70°	4-12	7.	4-12	45.
3-11	80.	3-11	0.02	3-11	•03	3-11	90°	3-11	8	3-11	01.	3-10	.15	4-23	9
7-19	٠. 10	7-19	EH	7-19	10.	7-19	6.	7-19	10.	7-19	10.	7-19	10*	9-4	40.
10-15 e	80	10-15	10-15 el.10	10-15 01.58	1.58	10-15	e1.76	10-15 1.77	1.77	10-15 e1.77	e1.77	10-15 e1.77	77.19	10-15	el.77
5-6	.03	5-6	0.03	5-6	•05	5-6	21.	5-6	•16	5-6	•16	5-6	•16	5-6	•16
Notes: Records began 5-12-48; ended 11-10-55, T = Trace, are estimated which are poor.	gen 5-1 ich are	5-12-48; e	nded 11	1-10-55.	T = Tr		= esti	e = estimated. Quality of records = fair except for those that	Quelity	of rec	ords -	fair ex	cept fc	r those	that

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		Ø	Vol.	1.0	쟔	40°	40°	•15	90°	90•	94.	
N III		8 days	Date	11-28 0.11	6-17	1-30	4-12	4-25	3-24	10-15	5-6	
Watershed W		ys	Vol.	70.0	•39	°00	8	-0.	•05	90.	94.	
		2 days	Date	12-3	6-20	2-1	7-25	h-27	3-24	10-15	5-6	
ELL CRE	ERVAL	ay	Vol.	70°0	.38	0.01	°05	•05	•03	90°	·45	
STAUMION, VA. BELL CREEK	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	१-टा	6-20	2-1	7-25	3-11	3-25	10-15	26	air.
TAUNTON	ECTED T	urs	Vol.	90°0	•37	.01	°05	40°	•03	90°	24.	rds - I
δa	FOR SEL	12 hours	Date	12-3	6-20	2-1	7-25	3-11	3-25	10-15	5-6	of reco
XIMUM	VOLUME	urs	Vol.	†0°0	•36	*01	0.00	900	05	90°	88	uality
AND ANNUAL MAX. TIME INTERVALS	AXIMUM	6 hours	Date	12-3	6-20	2-1	7-25	3-11	3-25	10-15	5-6	T = Trace. Quality of records - fair.
AND AN TIME I	M	urs	Vol.	0.02	•31	Ė	٥٥ •	10.	10.	\$0°	•10	
ER HOUR ELECTED		2 hours	Date	12-3	6-20	3-28	7-25	3-11	3-25	10-15	5-6	-10-55
NCHES P S FOR S		ur	Vol.	0.01	-23	E	*0°	10°	10.	90°	•05	nded 11
ES IN I		1 hour	Date	12-3	6-20	3-28	7-25	3-11	3-25	10-15	5-6	4-48; e
DISCHARG	1UM	RGE	Rate	0.01	.29	EH	-02	.01	.01	900	•05	gan 5-1
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	12-3	6-20	3-28	7-25	3-11	3-25	10-15	5-6	 Notes: Records began 5-14-48; ended 11-10-55.
AINTUAL I		YEAR		1948	1949	1950	1951	1952	1953	1954	1955	Notes: R

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		days	Vol.	e0.42	8.	.27	•33	.34	•38	42°	•59	यः	
II		8 da	Date	11-29	7-13	1-30	7-25	4-25	3-24	10-15	8-17	$3-1^{\frac{1}{4}}$	
WATERSHED W III		ys.	Vol.	0.25	.45	.12	•30	.19	ૹ઼	શું	84.	•05	
WATER		2 days	Date	12-3	7-15	2-1	7-25	2-3	3-24	10-15	8-17	3-14	
CREEK	INTERVAL	ry.	Vol.	0.17	•30	8	88	*1°	41.	12.	77.	•03	
STAUNTON, VA. BELL CREEK	TIME INTE	l day	Date	12-3	7-15	2-1	7-25	2-3	3-25	10-15	8-17	3-14	
WION, V.		ırs	Vol.	0.13	.23	•05	•26	ij	यः	•19	-37	90.	
STAU	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	12-3	7-15	2-1	7-25	3-11	3-25	10-15	8-17	$3-1^{\frac{1}{4}}$	
S	OLUME I	ırs	Vol.	60.0	ಸ .	0.03	•25	8	80.	.18	.27	*01	
TUAL MAS	X DWDW V	6 hours	Date	12-3	6-28	2-1	7-25	3-11	3-25	10-15	8-17	$3-1^{4}$	
AND AND TIME II	/W	rs	Vol.	0.03	.18	0	.18	40°	†0°	60°	•15	-0°	
PER HOUR AND ANNUAL MAX. SELECTED TIME INTERVALS		2 hours	Date	12-3	6-28	2-2	7-25	3-11	3-25	10-15	8-18	3-14	
NOTES PI		ır	Vol.	0.02	यः	-0°	11.	0.02	0.02	70°	60.	EH	
ES IN II		1 hour	Date	12-3	6-28	2-2	7-25	7-25	3-25	10-15	8-18	3-14	
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	UM	RGE	Rate	0.02	.15	٠. 10	41.	.03	90.	60°	•10	EH	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	12-3	6-28	2-5	7-25	3-11	3-25	10-15	8-18	3-15	
AINTUAL N VOLU		YEAR		1948	1949	1950	1951	1952	1953	1954	1955	1956	



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AINTUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES FER HOUR VOLUMES OF RUNOFF IN INCHES FOR SELECTED	DISCHARC RUNOFF 1	SES IN I	INCHES F	PER HOUR SELECTED	AND AN	AND ANNUAL MAXIMUM TIME INTERVALS	XIMUM	Edward	Edwardsville, Illinois	Illino	វិន	Watershed W-1	led W-1		
	MAXIMUM	MUM				X	MXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED	ECTED T	TIME INTERVAL	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	our	2 hours	urs	6 hours	urs	12 hours	urs	l day	ay	2 days	ys	8 de	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1938 1939 1940	5-27 8-18 8-4	以。 5.79 17.	3-30 8-18 8-4	1.38 .45 .38	3-30 8-18 8-4	1.87 .68 .48	3-30 8-17 8-4	2.02	3-30 8-17 4-30	2.04 2.40 60	3-30 8-17 4-30	3.30 2.42 .65	3-29 8-17 4-30	3.44 24.5 65.	3-25 8-11 4-23	3.47 3.18 .66
191 1945 1946 1946	9-2 7-8 5-17 4-22 6-16	.46 1.41 1.19 1.05	9-2 7-8 5-17 4-22 6-16	i 0.25±8	9-2 7-8 5-17 4-22 6-16	1.55 1.56 1.70 1.55	11-5 7-8 5-17 4-22 6-16	2.33 1.45 1.46 1.84 1.87	11-5 7-8 5-17 4-22 6-16	2.65 2.53 2.40 1.91	11-5 7-8 5-17 4-22 6-16	3.53 3.68 1.23 1.23 1.23	11-5 7-8 5-16 4-22 6-16	.77 3°30 4°48 4°43 2°59	10-30 7-8 5-10 4-22 6-16	1.16 3.48 5.71 4.43 3.14
1946 1947 1948 1949 1950	8-15 4-29 7-25 6-28 1-3	2.56 1.149 .82 2.07	8-15 4-29 7-25 6-28 1-3	1.14 .83 .57 .82	8-14 1-29 7-25 6-28 1-3	1.94 1.06 1.06 .87 .86	8-14 4-29 7-25 1-18 1-3	3.49 1.18 1.48 1.04 1.68	8-14 4-29 7-25 1-18 1-3	3.79 1.21 1.48 1.32 2.59	8-14 4-29 7-25 2-14 1-3	1,22	8-14 4-29 7-25 6-26 1-2	6.99 1.33 1.48 1.74 1.74	8-12 4-24 7-19 1-18	7.47 2.61 2.80 2.21 5.07
1951 1952 1953 1954 1955	7-23 7-4 7-4 8-7	1.01 2.05 .71 .85	6.16 7-31 6-26 10-11 8-7	टं ४ं चुं मं मं	6-16 6-9 6-26 10-11 8-7	8.1.8 8.4.7.7. 8.4.7.7.	7-23 3-31 6-26 10-11 8-7	1.15 2.25 .76 .68	7-23 3-31 6-26 10-11 8-7	2.31 .76 .68 .52	7-28 2-28 10-11 2-19	8.5.86	2-7-82 16-11 16-11 19-11	1.67 2.32 .76 .90 .71	2-15 10-11 10-11 10-11	2.15 3.35 1.04 .89
Notes: e	1 6	Estimated by comparison with other watersheds.	®	rison with other watersheds.	h other	water'sl		Quality a - St	Quality of records; Excellent a - Station not in operation	ords; E	Excellent except operation June 2	except	except for those that are June 2 to Sept. 28, 1947.	for those that are to Sept. 28, 1947.	at are 1947.	

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		days	Vol.	3.57 2.70 .55	2.0.4.0.4.0.4.0.0.0.0.0.0.0.0.0.0.0.0.0.	8 6.88 2.66 1.70 5.34	2.01 9.3.20 49.		ı,
		8 da	Date	3-29 8-11 8-4	10-30 7-8 5-10 4-22 3-25	8-12 4-24 7-19 1-17	2-1 3-31 4-23		watersheds. Quality of records; Excellent except those that
Watershed W-2		ys	Vol.	3.46 2.16 .53	1,52 2,54 2,56 5,50 5,50 5,50 5,50 5,50 5,50 5,50 5	6.49 1.32 1.08 1.72 4.55	1.03		sept th
Waters		2 days	Date	3-29 8-17 8-4	11-5 7-8 5-16 4-22 6-16	44.64 44.64 44.64	7-82 3-31 4-23		ent ex
870	INTERVAL	ay	Vol.	3.30 2.16 .53	1.03 2.83 4.13 2.25	8 2. 1 1. 88 1. 4 1. 74	1.02		Excell
, Illin	TIME INT	l day	Date	3-30 8-17 8-4	11-5 7-8 5-17 4-22 6-16	8-15 4-29 7-25 1-18 1-3	7-22		ecords
Edwardsville, Illinois		urs	Vol.	44.5 44.5 50.	2.57 2.57 2.58 1.95	9 3.47 1.20 1.06 1.46 2.60	°.96 °.20 °.63		tty of
Edwar	FOR SELECTED	12 hours	Date	3-30 8-17 8-4	11-5 7-8 5-17 4-22 6-16	8-14 14-29 1-18 1-18	2-6 3-31 4-23		
50		ırs	Vol.	2.11	2.51 1.60 1.76 1.91	3.32 1.16 .95 1.16	2.80		rsheds
TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	3-30 8-17 8-4	11-5 7-8 5-17 4-22 6-16	8-14 4-29 7-25 1-18 1-3	7-23		ler wate
TIME I	M	urs	Vol.	8.8.8	1.56	1.92 1.00 .61 .86	1,62		rith oth
ELECTED		2 hours	Date	3-30 8-17 8-4	11-5 7-8 5-17 4-22 6-16	8-15 4-29 7-25 6-28 1-3	6-16		rison v
S FOR S		ur	Vol.	1.53 .57 .40	81. 42. 74. 74. 86.	91.45 .13 .13	फ़् _र है		oy compe
N INCHE		1 hour	Date	3-30 8-17 8-4	10-22 7-8 5-17 4-22 6-16	8-15 4-29 7-25 6-28 1-3	7-23 3-31 4-23		imated t
RUNOFF IN INCHES FOR SELECTED	TUM	LRGE	Rate	2.61	2.11 1.25 1.15 79.	1.55 1.55 1.58 1.83	2.53		11y est
VOLUMES OF F	MAXIMUM	DISCHARGE	Date	3-30 8-17 8-4	7-8 7-17 6-16 6-16	8-15 e 4-29 7-25 6-28 1-3	7-23 7-2 4-23		- Partially estimated by comparison with other watersheds.
VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1938 1939 1940	1942 1943 1945 1945	1946 1947 1948 1949 1950	1951 1952 1953		Notes: e -

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			Vol.	3.89	2.56	.11	.75	2.36	
Watershed W-3		y 2 days	Date	3-29	8-17	12-15	10-51	7-8	
			Vol.	3.56	1.82	11.	.75	2.08	
Illin		irs 1 day	Date	3-30	8-17	12-15	10-51	7-8	
Edwardsville, Illinois			Vol.	2.13	1.82	.11	.72	2.00	
Edward		12 hours	Date	7-17	8-17	12-15	10-22	7-8	
	MAXIMUM VOLUME F		Vol.	2.13	1.59	.11	89.	1.72	
TIME INTERVALS		rs 6 hours	Date	7-17	7-16	12-15	10-22	7-8	
TIME			Vol.	2,00	1.26	60.	.35	1.18	
LECTED		r 2 hours	Date	330	7-16	5-5	10-22	7-8	
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N INCHES		1 hour	Date	3-30	8-19	3-2	10-22	7-8	
RUNOFF IN INCHES FOR SELECTED	MU	RGE	Rate	3.74	1.59	.19	.38	1.07	
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	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	2 days	Vol.	3.40 1.82 .73	.78 7.00 7.00 7.83	6.02 1.06 1.12 3.66	1.10 2.04 .67 .75	t fo
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10-57	ANNUAL I		YEAR	1	p 1940 1941 1942 1943 1944	1945 1946 1947 1948 1949	1950 1951 1952 p 1953	Notes: p

Quality of records: good except during some freezing periods.

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10-57 ANNUAL VOL		YEAR		p 1940 1941 1942 1943 1944	1945 1946 1947 1948 1949	1950 1951 1952 p 1953	Notes:
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10-57	ANNUAL		YEAR		p 1940 1941 1942 1943 1944	1945 1946 1947 1948 1948	1950 1951 7 1952 1953	Notes: p

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Watershed		2 de	Date	10-14 7-20 7-20	5-30	8-14 6-18 8-2 4-5 2-14	1-3 7-8 3-13 3-18	
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	FOR SELECTED	12 hours	Date	10-14 7-20	5-30	8-14 6-19 8-2 1-7	6-24 7-9 6-13 3-18	ober, l
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AND AN TIME I	M	2 hours	Vol.	.37	38	86.96.00	2.1. 12.1. 12.	disco
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ANNUAL N VOLU		YEAR		1940	1944	1945 1946 1947 1948 1948	I I	Notes: p

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	LAFAYET		urs	Vol.	. 01 1,54 3,15	39°. 1.03 17°. 198	1.37 1.23 .86 .86] "
		MAXIMUM VOLUME FOR SELECTED	12 hours	Date	6-7 10-5 7-20 5-16 4-10	8-14 2-13 6-8 4-7 1-18	8 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	ober, l
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	10-57 Annual maximum discharges in inches per hour and annual maximum Volumes of runcff in inches for selected that intervals	MAXIMUM	DISCHARGE	Date	6-7 10-5 7-20 5-17 4-11	8-14 6-19 6-8 6-8 14-7	6-24 6-7- 11-5-7-5	p - Station established in March, Quality of records: good except
10-57	ANNUAL		YEAR		p 1940 * 1941 1942 1943 1943	1945 1946 1947 1948 1948	1950 1951 1952 p 1953	Notes: 1

18	SCHARC	ES IN I	NCHES I	PER HOUR	-5-1 ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM	NUAL M	XIMUM								
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.08 6-7 .53 10-9 .72 7-20 .93 5-17 .18 4-1	6-7 10-9 7-20 5-17 4-11		10. 23. 74. 13.	6-7 10-9 7-20 5-17 4-11	125° 42° 120° 120°	6-7 10-9 7-20 5-17 4-11	123.	6-7 10-9 7-20 5-17 4-11	12°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	6-7 10-9 7-20 5-17 4-11	3.12 3.12 3.12	6-7 10-9 7-20 5-17 4-10	3.52	6-7 10-5 7-13 5-17 4-7	3.55 83.56 889
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10-57 ANNUAL VOL		YEAR		p 1940 * 1941 1942 1943 1943	1945 1946 1947 1948 1948	1950 1951 1952 0 1953	Notes: p - Station established in March, quality of records; good except
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-	ES IN INCHE		l hour	Date	70-01	7-20 5-17 4-23	8-14 2-13 6-7 1-18	9-21 2-20 6-14	blished
	DISCHARGES IN INCHES PER HOUR AND ANNUAL WAX RUNGFF IN INCHES FOR SELECTED TIME INVERVALS	AUM	ARGE	Rate	3.33	1.74 .83 .17	2.42	2.78	Station established in March, 1940.
	ANNUAL WAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	2-9	7-20 5-17 4-23	8-14 2-13 6-7 4-7 1-18	9-21 2-20 6-114	p - Stati
	AINTUAL		YEAR		p 1940	1942 1943 1944	1945 1946 1947 1948 1949	1950 1951 1952	Notes:

p - Dearton established in march, 1740. Quality of records: good except during freezing periods which is fair.

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		days	Vol	55.0		.68 .89 .1,17 2,145 2,145	2.43	
10		8 d	Date	2-9	7-13 5-16 4-22	5-14 2-13 1-24 1-18	1-3 2-20 6-12	
Watershed 25		days	Vol.	.48	.777 4.08 14.0	.42 .82 1.08 1.02 2.18	2.13 .61 1.15	
Wate		2 da	Date	6-23	7-20 5-16 4-22	6-16 2-13 4-29 4-7 1-18	1-3 6-13 6-13	
ANA	ERVAL	day	Vol.	84.	3.27	.37 1.06 1.63	2.28 .61 1.40	
E, INDI	TWE INT	1 d	Date	6-23	7-20 5-16 4-23	6-16 2-13 4-29 4-7 1-18	6-13 6-13	
LAFAYETTE, INDIANA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	84.	2.39	.30 .61 .81 .04	1.02	
	FOR SEL	12 hours	Date	6-23	7-20 5-16 4-23	6-16 2-13 6-7 4-7 1-18	2-20 6-13	
X IMUM	VOLUME 1	ırs	Vol.	.43	.22	.28 .50 .75 .101 .59	68 89 89	
NUAL MAX	MUMIT X	6 hours	Date	2-9	7-20 5-17 4-23	6-16 2-13 6-7 1-18	2-25 2-20 6-11;	
AND AND TIME I	M	urs	Vol.	.43	77.	22 32 64 67	. 265	
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED THE INTERVALS		2 hours	Date	2-9	7-20 5-17 4-23	6-30 2-13 6-7 1-18	1-25 2-20 6-11	7.9L 4
		ır	Vol.	.43	.09 .09	20 20 30 30 30 30 30 30 30 30 30 30 30 30 30	51. 35.	in Man
ES IN I		l hour	Date	2-9	7-20 5-17 4-23	8-17 2-13 6-7 1-18	1-25 2.20 6-11	Jichod L
ISCHARG UNOFF I	UM	RGE	Rate	2.44	57. E.T. E.L.	1.67	84 20 54	40+00
AXIMUM I	MAXIMUM	DISCHARGE	Date	2-9	7-20 5-17 4-23	8-14 2-13 6-7 4-7 1-18	6-24 2-20 6-11	Olor doman at hoderthat an Manage
ANNUAL M VOLU		YEAR		1940	1941 1942 1943 1944	1945 1946 1947 1948 1948	1950 1951 1952	Notes

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Quality of records:
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	· Farm)		78	Vol.	.02 .27 2.56 6.22 3.16	2.13 1.17 1.92 1.41 1.93	3.30	fair.
	Watershed F-32 (Purdue Dairy Farm)		8 days	Date	9-8 10-31 2-3 5-10 4-9	5-7 2-13 6-6 3-23 12-20	1-2	good except during freezing periods which is fair.
	2 (Purd		days	Vol.	.02 .19 1.88 1.24 2.27	.95 1.09 1.69 1.88	2.69	iods wh
	hed F-3		2 da	Date	9-8 11-6 2-4 5-16 4-9	3-31 2-13 6-6 3-26 1-18	1-2	ing per
	Waters	ERVAL	ay	Vol.	.02 .18 1.67 3.22 1.67	.88 .63 1.53 1.84 1.78	2.37	g freez
	DIANA	TIME INTERVAL	l day	Date	9-8 11-6 2-5 5-17 4-10	4-1 2-13 6-6 3-26 1-18	1-3	t durir
	LAFAYETTE, INDIANA	ECTED 1	urs	Vol.		1.27	1.40	d excer
	LAFAYE	FOR SEI	12 hours	Date	9-8 6-11 5-17 4-11	4-2 2-13 6-6 3-26 1-19	1-3	
	XIMUM	MAXIMUM VOLUME FOR SELECTED	urs	Vol.	.02 14. 1.86 1.87	1.09 1.09 1.09 1.36	.57	Quality of records:
	AND ANNUAL MAXIMUM TIME INTERVALS	MXIMUM	6 hours	Date	9-8 6-11 2-5 5-17 4-11	4-2 2-13 6-6 3-26 1-19	1-3	lity of
	AND AN	N	hours	Vol.	41.02 1.02 1.02 1.02 1.02	138 × × × × × × × × × × × × × × × × × × ×	24.5	
	IN INCHES PER HOUR AND ANNUAL MAX. NOHES FOR SELECTED TIME INTERVALS		2 ho	Date	9-8 6-11 5-17 1-11	4-2 2-13 6-6 3-26 1-19	1-3	1st 1940
	NCHES E		ur	Vol.	24. 118 68 74.	8.2.4.8.2.	£, &,	in Augr
	IES IN I		1 hour	Date	9-8 6-11 2-5 71-7	4-2 7-20 6-6 3-26 1-19	1-13	lished
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR		+	Rate	0. 56. 1.46 56.	1,56	.99	ds estak
	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	AL MAXIMUM DISS VOLUMES OF RUN MAXIMUM	DISCHARGE	Date	9-8 6-11 6-16 1-1	4-2 7-20 6-6 3-26 1-19	6-24 7-9	p - Records established in August 1940.
9-58	ANNUAL		YEAR		P 1940 1941 1942 1943 1944	1945 1946 1947 1948 1949	1950	Notes: I

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	· Farm)		days	Vol.	.01 .45 .120 5.19	e2.80 1.71 1.88 1.04 e.76	1.34 1.34	fair.
	e Dairy		8 de	Date	9-8 6-11 5-10 4-22	5-24 3-24 6-2 5-7	1-2 1-7	nich is
	(Purdu		days	Vol.	.01 .45 .89 3.52 e .67	1.13	3.93	riods wh
	led F-33		2 de	Date	9-8 6-11 2-5 5-17 4-10	5-44 8-6 12-22 12-20	7-2	ing per
	Watersh	ERVAL	ay	Vol.	.01 .45 .77 2.31 e .63	e1.47 1.45 .70	47.1 42.	g freez
	DIANA	IME INT	l day	Date	2-8 6-17 5-17 14-17	25-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-	7-1-9 1-9	t durir
	LAFAYETTE, INDIANA Watershed F-33 (Purdue Dairy Farm)	ECTED T	urs	Vol.	.01 .43 .61 1.78 e .52	e1.35 .84 1.27 .61	.52	good except during freezing periods which is
	LAFAYE	FOR SEL	12 hours	Date	9-8 6-11 2-5 5-17 4-11	5-14 6-6 5-12 12-21	11-3	1
	XIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	.01 .42 .32 1.19	el.23 1.14 .50 .31	1.22 .47	Quality of records:
	AND ANNUAL MAXIMUM TIME INTERVALS	AXIMUM	6 hours	Date	9-8 6-11 4-7 5-17 4-11	5-14 3-14 6-6 5-12 12-21	7-1-3	lity of
	AND AN	24	hours	Vol.	01 140 141 69 69	07. .33 1.03 .25	.32	
	PER HOUR SELECTED		2 ho	Date	9-8 6-11-7 6-16 1-1-1	4-2 3-14 6-6 5-12 12-21	6-24 7-9	just 19
	IN INCHES F NCHES FOR S		ur	Vol.	9 17.88.72.13	145 117 115 112	25.	in Aug
	ES IN I		l hour	Date	9-8 6-1-7 6-16 11-4	4-2 3-14 6-6 5-12 12-21	7-9	blished timated
	DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	MUM	ARGE	Rate	.02 1.09 .09 1.20	42. 18. 15. 15. 14.	1.10	Records established in August 1940. Partially estimated.
	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 1 MAXIMUM	DISCHARGE	Date	9-8 6-1-4 6-1-6 1-1-4	4-2 3-14 6-6 5-12 12-21	7-9	p - Recor e - Part	
9-58	ANNUAL I		YEAR		1940 1941 1942 1943 1944	1945 1946 1947 1948 1949	1950	Notes:

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	су Fагт		days	Vol.	00. 04.1 1.14.6 6.686	2.31 61.43 3.23 1.99	2.50	fair.
	lue Dai		8 de	Date	9-8 6-11 5-10 5-8	3-24 1-24 3-21 1-27	2-18	ich is
	4 (Puró		days	Vol.	.02 .04 .98 e 3.75	1.81 1.15 2.42 1.28 1.28	1.27	lods wh
	Watershed F-34 (Purdue Dairy Farm		2 da	Date	9-8 6-11 14-7 5-17 5-8	5-14 6-6 5-12 1-27	2-20	ing per
	Waters	ERVAL	ay	Vol.	.01 .04 .86 e 2.88	2.20 2.20 2.44 38	1.15	freez
	DIANA	IME INT	1 day	Date	9-8 6-11 2-5 5-17 11-4	5-24 6-6 5-12 1-27	2-20	during
	LAFAYETTE, INDIANA	ECTED T	urs	Vol.	.01 .04 .71 e 2.28	.85 1.78 .92 .32	2.29.	3-14-4(
	LAFAYE	FOR SEL	12 hours	Date	9-8 6-11 2-5 5-17 4-11	5-14 6-6 5-12 1-27	2-20	st good
	X DMUM S	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	hours	Vol.	.01 .04 .36 .173	. 73 1.53 1.53 12.53	.52	Quality of records: good except during freezing periods which is - Identical peak rate on $3-14-46$.
	AND ANNUAL MAXIMUM TIME INTERVALS	AXIMUM .	ou 9	Date	9-8 6-11 1-7 5-17 11-4	5-21 6-6 5-12 5-12	2-20	lity of dentica
		M	hours	Vol.		1.23	172°	*
	PER HOUR SELECTED		2 ho	Date	9-8 6-11 11-7 5-17 11-1	5-24 3-24 6-6 5-12 1-27	2-20	ust 1940 imated.
			ur	Vol.	1.00 .00 .51.	.19 .16 .92 .07	.13	in Aug
			1 hour	Date	9-8 6-11 1-7 5-17 1-1-1	5-15 6-6 5-12 1-27	2-20	olished partia
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	TUM	RGE	Rate	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* .21 1.28 1.28 .17	.13	- Records established in August 1940 Estimated or partially estimated.
	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 3	MAX IMUM	DISCHARGE	Date	9-8 6-11 55 11-11	5-15 6-6 5-12 1-27	2-21	p - Recor e - Estim
3 - 58	ANNUAL I		YEAR		1940 1941 1942 1943 1944	1945 1946 1947 1948 1948	1950	Notes: p

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		days	Vol.	0.21	.02	.10	70° e	4	•03	61.45	1.51	1.84	.25	
		8 da	Date	5-12	1-22	1-19	2-29	6-13	5-4	2-28	7-26	8-5	6-20	
Þ		days	Vol.	0.21	90.	-10-	6 .05	.38	• 02	99:	1.40	1.66	.25	1942.
Watershed		2 da	Date	5-12	1-22	1-19	2-29	5-20	5-4	8-8	7-26	6-8	6-20	d June,
Wat	INTERVAL	lay	Vol.	0.21	.02	.10	†70° e	.38	.02	947.	1.24	1.63	.25	Records began October, 1932, ended June, 1942.
JW8.	TIME IN	l day	Date	5-12	1-22	1-19	7-8	5-20	5-4	8-9	7-27	6-8	6-20	er, 193
Clarinda, Iowa	SELECTED I	urs	Vol.	0.21	• 05	.10	70° €	•38	• 02	97.	1,15	1,60	.25	n Octob
Clari	FOR SEL	12 hours	Date	5-12	1-22	1-19	5-8	5-20	5-4	8-9	7-27	8-9	6-20	ds bega
XIMUM		urs	Vol.	0.21	.02	80. 0	e .03	.38	.02	947.	1.02	1.57	.25	I
AND ANNUAL MAX. TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	5-12	1-22	1-19	5-9	5-20	5-4	6-8	7-27	9-9	6-20	; Fair.
IN INCHES PER HOUR AND ANNUAL MAXIMUM INCHES FOR SELECTED TIME INTERVALS		2 hours	Vol.	0.21	.01	70.	• • 02	.32	• 02	:45	1.02	1.23	.23	Quality of records; Fair.
PER HOUR SELECTED		2 hc	Date	5-12	5-12	92-9	5-9	2-6	5-4	6-8	7-27	8-9	6-20	ity of
INCHES FOR S		hour	Vol.	0.21	.01	70.	0.01	.32	.02	ot/·	%	1.08	.21	
ES IN I		1 hc	Date	5-12	5-12	92-9	59	9-5	5-4	8-9	7-27	8-9	6-20	timatec
DISCHARGES RUNOFF IN	MUM	ARGE	Rate	1.02	.02	60°	e .05	1.93	60°	1.60	2.83	3.51	99.	Partially estimated.
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	5-12	5-12	92-9	5-9	5-6	5-4	8-8	7-27	6-9	6-20	e - Part
AMMUAL		YEAR		1933	1934	1935	1936	1937	1938	1939	1940	19/11	21/61	Notes:

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		ys	Vol.	14.0	.63	8.	747	42. 0	91.75	e2.49	3.05	44.	
		8 days	Date	5-12	5-31	7-30	6-13	6-20	3-4	7-26	6-2	2-6	
		days	Vol.	0.41	64.	80.	.32	4Z. 0	el.25	e2.29	2.57	.32	1942.
Watershed W		2 da	Date	5-12	5-31	4-30	5-20	6-20	3-10	7-26	6-8	5-10	d May,
Wate	INTERVAL	ay	Vol.	17.0	•28	90°	.32	4Z. e	.86	92.2h	2.55	.32	, ende
wra.	TIME INT	l day	Date	5-12	5-31	4-30	5-20	6-20	8-8	7-26	8	5-10	ry, 193
Clarinda, Iowa	ECTED T	urs	Vol.	다.0	.28	90°	.32	†Z° €	.86	1.80	2.46	.31	Records began January, 1934, ended May, 1942
Clari	FOR SEL	12 hours	Date	5-12	5-31	7-30	5-20	6-20	\$	7-27	8-9	5-10	ds bega
XIMUMIX	MAXIMUM VOLUME FOR SELECTED	urs	Vol.	17.0	•28	e .05	•32	بلان. ه	.86	1.57	2.40	.27	
AND ANNUAL MAX TIME INTERVALS	AXIMUM.	6 hours	Date	5-12	5-31	7-30	5-20	6-20	8	7-27	8-9	5-10	; Fair
AND AN TIME I	M	urs	Vol.	14.0	.15	†0°	е .25	е .23	.80	1.57	1.67	.21	Quality of records; Fair.
ER HOUR		2 hours	Date	5-12	5-31	14-30	6-15	6-20	8-9	7-27	9	5-11	lity of
NCHES P		ur	Vol.	14.0	77.	70.	9 .20	ө .20	.72	1.14	1.36	.20	1
ES IN I		l hour	Date	5-12	6 1	4-30	6-15	8-20	8-9	7-27	8-9	5-11	stimated
DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	MUM	ARGE	Rate	1.46	.86	.10	o47. e	o2. e	3.60	4.54	19.47	.59	fally e
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	5-12	6-1	7-30	6-15	8-20	8-9	7=27	6-9	5-11	e - Partially estimated.
ANNUAL I VOLI		YEAR		1934	1935	1936	1937	1938	1939	1940	19(1	य)6ा	Notes:

		S	Vol.	0.38	•59	₽	•35	0	61.65	1.34	2.04	÷74		
		8 days	Date .	5-12	5-31	5-1	6-13	-	3-10	7-27	8-9	6-20	4, 44, 44,	
		days	Vol.	0.38	.53	EH	.23	0	01.50	1.32	1.88	.38		1942.
Watershed X		2 da	Date	5-12	5-31	5-1	6-15		3-11	7-27	8-9	6-25		June,
Wate	ERVAL	ay	Vol.	0.38	.30	н	.23	0	el.35	1.23	1.88	.38		+, endec
же	TIME INTERVAL	l day	Date	5-12	6-1	5-1	6-15		3-11	7-27	8-9	6-25		y, 193
Clarinda, Iowa	ECTED T	urs	Vol.	0.38	.30	e	.23	0	01.10	1.22	1.81	.38		Records began January, 1934, ended June, 1942.
Clari	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	5-12	6-1	5-1	6-15		3-11	7-27	8-9	6-25		is begar
XIMUM	VOLUME	urs	Vol.	0.38	8	E-I	.23	0	08. •	1.11	1.80	.38		
AND ANNUAL MAX.	AXIMUM	6 hours	Date	5-12	5-31	5-1	6-15		3-11	7-27	8-9	6-25		Fair.
AND AN	M	urs	Vol.	0.38	91.	ы	.23	0	6 · 45	1.10	1.55	.37		Quality of records; Fair.
ER HOUR		2 hours	Date	5-12	6-1	5-1	6-15		3-11	7-27	8-9	6-25		ity of
NCHES FISHERS FOR S		ur	Vol.	0.37	.12	н	ģ	0	9 .30	.95	1.29	•36		1
ES IN I		1 hour	Date	5-12	61	5-1	6-15		3-11	7-27	9-9	6-20		timated
DISCHARGES IN INCHES PER HOUR RUNGET IN INCHES FOR SELECTED	MUM	ARGE	Rate	16.0	.19	н	.50	0	14.	3,08	14.47	1.05		ally es
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	5-12	6-1	5-1	91-9		8-9	7-27	8-9	6-20		e - Partially estimated.
ANNUAL		YEAR		1934	1935	1936	1937	1938	1939	1940	1941	27/61		Notes: e

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		8 days	. Date Vol.	8 8-21 0.38	.09 5-12 .09	.07 5-31 0 .11	.05 5-1 e .06	.56 5-20 .59	.02 5-4 .02	.81 6-8 .86	.79 7-27 .81	88 6-2 1.50	.43 6-20 .63	- Z
Watershed Y		2 days	Date Vol.	8-21 0.38	5-12	5-31 6 .(5-8	5-20	5-4	8-9	7-27	6-8 1.38	6-20	Quality of records; Fair. Records began October, 1932, ended Jume, 1942.
Water	ERVAL	ay	Vol.	0.38	60°	e .05	•05	•56	8	8	.78	1.37	-43	2, ended
wa	IME INT	l day	Date	8-21	5-12	5-31	5-8	5-20	5-4	6-8	7-27	6-8	6-20	er, 193
Clarinda, Iowa	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	0.38	60°	†10° e	•03	.56	S0.	99.	.73	1.37	:43	n Octob
Clari	FOR SEL	12 hours	Date	8-21	5-12	5-31	5-1	5-20	5-4	8-9	7-27	8-9	6-20	ds bega
XIMUM	VOLUME	urs	Vol.	0.38	60°	†o• •	.03	.56	90.	જુ.	.73	1.36	.43	Recor
INUAL MA	MAXIMUM	6 hours	Date	8-21	5-12	5-31	5-1	5-20	5-4	8-8	7-27	6-8	6-20	Fair.
PER HOUR AND ANNUAL MAXIMUM SELECTED TIME INTERVALS	Ŋ	hours	Vol.	0.34	60.	+70° e	6 .03	647.	90.	.61	.73	1.12	.43	records
PER HOUF		2 hc	Date	5-12	5-12	5-31	5-9	2-6	5-4	8-8	7-27	8-9	6-20	lity of
IN INCHES I		ur	Vol.	0.32	60°	•03	e .03	847.	80.	•56	89°	1.01	य:	 1
ES IN		1 hour	Date	5-12	5-12	6-3	5-9	5-6	5-7	8	7-27	8-9	6-20	stimate
DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MUM	ARGE	Rate	1.15	.23	.05	ө .10	3.46	.05	3.08	2.44	3-42	1.31	ially e
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 1	MAXIMUM	DISCHARGE	Date	5-12	5-12	6-3	5-9	5-6	7.	8-9	7-27	6-9	6-20	e - Partially estimated.
ANNUAL		YEAR		1933	1934	1935	1936	1937	1938	1939	1940	19/1	य)6ा	Notes:

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		ys	Vol.	0.15	.01	.03	.01	e .19	.01	847°	.61	.88	-02		
		8 days	Date	8-21	5-12	1-19	69	3-1	8-20	3-10	7-27	8-9	6-20		
		days	Vol.	0.15	.01	.03	.01	6 .15	.01	047. 0	19.	.88	• 02		1942.
Watershed 2		2 da	Date	8-21	5-12	1-19	6-9	3-2	8-20	3-10	7-27	8-9	6-20		d June,
Wate	ERVAL	ay	Vol.	0.15	.01	.03	.01	60°	.01	.30	.61	88.	.02		Records began October, 1932, ended June, 1942
жа	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	8-21	5-12	1-19	6-9	5-20	8-20	3-11	7-27	89	6-20		er, 193
Clarinda, Iowa	ECTED I	urs	Vol.	0.15	.01	.03	.01	60.	.01	9 .25	.61	.88	.02		n Octob
Clari	FOR SEL	12 hours	Date	8-21	5-12	1-19	6-9	2-6	8-20	3-11	7-27	8-8	6-20		ds bega
XIMUM	VOLUME	urs	Vol.	0.15	.01	.02	.01	60°	.01	.18	.61	.87	.02		
NUAL MA	AX IMUM	6 hours	Date	8-21	5-12	6-26	6-9	5-20	8-20	6-8	7-27	9-9	6-20	 	; Fair.
IN INCHES PER HOUR AND ANNUAL MAXIMUM NCHES FOR SELECTED TIME INTERVALS	×	urs	Vol.	0.10	.01	.02	.01	60°	.01	.17	.53	.75	.02		Quality of records; Fair.
ER HOUR		2 hours	Date	6-30	5-12	92-9	6-9	5-6	8-20	68	7-27	6-9	6-20		ity of
NCHES P		'n	Vol.	01.0	.01	.02	.01	90°	.01	4.	.45	9.	.01		1
		1 hour	Date	6-30	5-12	92-9	6-9	5-6	8-20	8-9	7-27	6-9	6-20		timated
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MOM	ARGE	Rate	0.45	.01	.10	6 .03	.35	9 • 02	.39	1.09	1.12	.01		- Partially estimated.
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	6-30	5-12	6-26	6-9	5-6	8-20	8-9	7-27	6-9	6-20		e - Part
ANNUAL		YEAR		1933	1934	1935	1936	1937	1938	1939	1940	1941	1942		Notes:



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		8 days	Date	12-4 9-8	9-19 6-20 11-16 el	11-17 8-1 5-6 7-12 6	2-1222	6-27 6-1 5-19 5-14	1-4, e. 5-11, e. 3-14, e.	ch are
,		ys	Vol.	0.16	1.93 1.93 1.93 1.93 1.93	1.28 1.28 2.26 0.29 0.72	61.95 61.10 61.15 6.51	1.50	62.20 .59 .89	for those which are
Creek		2 days	Date	12-4 9-8	9-22 6-20 11-16 3-4 6-14	11-23 8-1 5-11 7-12 6-26	2-19 1-22 3-11	6-27 9-8 6-1 4-21	1-4 6-30 3-15	for th
Iowa City, Iowa - Ralston Creek	INTERVAL	ay	Vol.	17.0 14.	1.70	1000 1000 1000 1000 1000 1000 1000 100	61.35 61.03 61.30	1.12	62.05 .55	Good except
Iowa - I	TIME INT	l day	Date	15-4 9-8	9-22 6-20 11-16 6-30 6-14	11-23 3-1 5-12 7-12 6-26	9-1 2-20 1-23 3-11	6-27 9-8 6-1 1-27 5-14	1-4 6-30 7-21	
City,		urs	Vol.	0.12	1.67	1.17 1.17 6 .29	.41 6.05 6.80 61.05	1.10	.70	Quality of records:
Iowa	FOR SELECTED	12 hours	Date	12-4 9-3	8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-	11-23 8-1 6-29 7-12 6-26	9-1 2-20 1-24 3-11	6-27 9-8 6-1 1-27 6-9	1-5 6-30 7-21	Quality of they are fair
XIMUM		urs	Vol.	0.09	1.25	11.12 10.10 82.	6.75 6.75 1.79	1.500.8	88. 64. 69.	큐
AND ANNUAL MAX: TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	12-4 9-8	8-25 8-3 8-7 6-11	11-23 8-1 6-29 7-12 6-26	9-1 2-20 7-6 3-11	6-27 9-8 6-1 1-27 6-9	1-5 6-30 7-21	t. 1924.
AND AN	M	urs	Vol.	0.04;	# # # # # # # # # # # # # # # # # # #	8000 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e .259 e .322 c .322	74 140 172 100	388	* Records began Sept. 1924. periods of ice effect when
PER HOUR SELECTED		2 hours	Date	12-4 9-8	2-8 8-23 8-23 11-9	11-23 8-1 6-29 7-12 6-26	9-1 2-20 7-6 3-12	6-27 9-8 6-1 1-27 6-10	8-2 6-30 7-21	ords be
NCHES P		hour	Vol.	0.02	822.59	25019	e .16	33486	28.25	* Rec
ES IN I		1 ho	Date	12-4 9-8	9-22 6-20 8-23 6-2	11-23 6-1 6-29 7-12 6-26	2-1 7-6 3-12 8-13	6-27 9-8 6-1 1-27 6-10	8-2 6-30 7-21	imated.
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ANNUAL		YEAR		*1924 192 5	1926 1927 1928 1929 1930	1931 1932 1933 1934 1935	1936 1937 1938 1939 1940	1941 1942 1943 1944 1944	1946 1947 1948	Notes: e partia

		ys	Vol.	91.30	92.20 1.30 1.47 1.68	1.02					
		8 days	Date	2-19 2-28	2-18 3-9 2-19 10-5 2-18	7-18					
		days	Vol.	60.75	6.99 1.38 1.20 1.48	1.02					
Creek		2 da	Date	2-23	2-18 3-10 2-19 10-10	7-18					
Iowa City, Iowa - Ralston Creek	ERVAL	ay	Vol.	0.65	.76 .64 1.34 1.13	1.02					
Iowa -	IME INT	1 day	Date	2-23	2-25 111-16 2-19 10-10	7-18			-		
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Iowe	FOR SEL	12 hours	Date	1-15	2-25 3-10 10-10 10-10	7-18	-				
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NUAL MA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	1-15	2-25 111-17 2-19 10-10	7-18					
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ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCH	Date	6-23	7-8 11-17 2-19 10-10 4-23	7-18					
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		days	Vol.	0.08	:-	1.19	1.15	.35	91.94	90:	
		8 da	Date	10-19	5-28	2-25	2-15	8-20	3-7	97-4	
No. 1 *		ys	Vol.	70.0	.28	.45	.78	.26	1.40	.03	
Watershed No. 1*		2 days	Date	10-19	5-31	3-2	3-2	8-20	3-10	3-17	anchard, Iowa
Wate	TRVAL	ъу	Vol.	0.05	.16	.25	94.	.22	1.13	00.	shard,
Lowa	TIME INTERVAL	l day	Date	10-19	6-1	3-2	5-20	8-20	3-11	14-29	at Blanc
Shenandoah, Iowa	CTED TI	ırs	Vol.	0.04	11.	.17	.39	.18	98.	.01	River
Shene	OR SELE	12 hours	Date	10-19	6-1	3-2	5-20	8-20	3-11	4-29	Tarkio
70	TOLUME F	ırs	Vol.	0.02	20.	.12	.25	.13	-45	.01	pers as Tarkio
VIERVAL!	MAXIMUM VOLUME FOR SELECTED	6 hours	Date	10-19	5	4-28	5-21	8-20	8=12	h-29	pply Pa
VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	W/	hours	Vol.	0.01	.03	90°	60°	.05	.15	EH	Water Supply P
SLECTED		2 hor	Date	10-19	5-31	4-28	5-21	8-20	3-12	r-29	al Survey, W
S FOR SI		ηr	Vol.	E	.01	•03	70.	.03	80°	E	ical Su
N INCHE		l hour	Date	10-19	5-31	4-28	5-21	8-20	3-12	4-29	Geolog
UNOFF I	TUM	RGE	Rate	700.0	-015	.034	1/1/0.	.032	.077	.001	Listed in U. S. Geolog
VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	10-19	5-31	4-28	5-21	8-20	3-12	14-29	* Listed in U. S. Geological Survey,
VOLU		YEAR		1934 1	1935	1936	1937	1938	1939	1940	Notes: *

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		days	Vol.	0.18	.53	01.11	61.21	•39	1.84	20.		
		8 da	Date	10-19	5-28	2-26	2-15	6-9	3-7	4-2		·i)
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Watershed No.		2 days	Date	10-19	5-31	3-2	3-2	6-10	3-11	4-28		thoro,
Wate	ERVAL	day	Vol.	0.14	.27	.29	.35	,26	1.01	.02		ear Wes
Iowa	TIME INTERVAL	1 de	Date	10-19	6-17	4-28	7-29	01-9	3-11	4-28		Creek n
Shenandoah, Iowa	SCIED I	ırs	Vol.	0.12	.23	.28	.34	.25	.70	.01		Geological Survey, Water Supply Papers as West Tarkio Creek near Westboro, Missouri) Quality of records; Fair. Records began June 1934, ended June 1940.
Shena	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	10-19	6-17	4-28	7-29	6-10	3-11	5-20		s West n June
XIMUM	VOLUME]	urs	Vol.	0.08	.20	ਜੈਟ•	.32	.23	84.	.01		apers a ds bega
NUAL MAS NITERVAL	AN IIMUM	6 hours	Date	10-19	92-9	4-28	7-29	01-9	3-11	5-20		upply F Recor
AND AND TIME II	M	hours	Vol.	0.03	.10	.15	.23	.12	·19	.01		eological Survey, Water Sug Quality of records; Fair.
ELECTED		2 hor	Date	10-19	6-17	4-28	7-29	6-11	3-11	5-20	·	urvey,
NOTHES PI S FOR SI		ur.	Vol.	0.02	90°	.08	.13	200	.10	₽		gical S ity of
ES IN I		l hour	Date	10-19	6-17	4-28	7-29	6-11	3-11	5-20		
DISCHARGES IN INCHES PER HOUR AND ANNUAL WAX. RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	TUM	RGE	Rate	0.02	200	60°	.13	80.	.10	E		in U. S stimated
AL MAXIMUM D VOLUMES OF R	MAX IMUM	DISCHARGE	Date	10-19	6-17	4-28	7-29	6-11	3-11	5-20		: (* Listed in U. S. Partially estimated
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1934 1	1935	1936	1937	1938	1939	19фо		Notes: (* e - Part

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			days	Vol.	1.11 3.11 1.02 1.64 .95	1.99 3.30 1.75 2.34 2.76	1.72 1.52 1.71 2.97 1.71 2.91	
	hed A		8 da	Date	6-22 3-4 3-10 2-22 2-22	3-1 3-31 2-17 2-12 2-28	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	Watershed		days	Vol.	1.11 1.70 .72 1.12	1.13	1.12 1.79. 1.50. 1.50. 1.50.	
	typ.		2 da	Date	6-22 3-7 3-10 2-26 2-21	2-1 4-3 2-17 2-12 3-5	0-16 2-7-7 2-14 2-7-7 2-14	
9	EAST LANSING, MICHIGAN	ERVAL	day	Vol.	1.11 1.40 .50 1.12	1.82 1.88 1.76 1.24	1.02 .85 .71 .74 1.42	
	NSING, 1	IME INI	P H	Date	6-22 3-8 3-10 2-26 2-21	3-1 4-4 2-17 2-12 3-5	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
	east lai	SELECTED TIME INTERVAL	urs	Vol.	1.11 1.19 .50 1.08 .57	.52 1.75 .69 1.10	.59 .59 .1.38 .1.28 .1.28	
	14	FOR	12 hours	Date	6-22 3-8 3-10 2-26 2-26	3-1 4-4 2-17 1-18 3-5	8-16 2-79 2-14 2-39 2-39 2-39	j.
	XIMUM	VOLUME	urs	Vol.	11.11 .93 .45 .75	.46 1.32 .57 .93	3.4.2.1.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	21, 194
	AND ANNUAL MAX TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-22 3-16 3-10 2-26 2-21	3-1 4-4 2-27 1-18 2-28	9 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	n Jan.
	AND AN TIME I	M	hours	Vol.	11.1 12. 23. 75.	.31 .45 .45	25. 14. 14. 14. 15. 16. 16. 16. 16. 16. 16. 16. 16. 16. 16	rd bega
	PER HOUR SELECTED		2 ho	Date	6-22 3-16 3-10 2-26 2-21	1-4 9-11 2-27 2-14 3-5	2-16 3-9 3-3-14 5-14 5-12	t. Reco
	NCHES P		ur	Vol.	11.11 .39 .51. 15.	59. 18. 79. 91.	ಪ	xcellen.
	ES IN I		1 hour	Date	6-22 3-16 5-30 2-26 2-21	1-4 9-11 2-27 2-14 3-5	2-16 3-18 3-14 5-12 5-12	ords: e
	DISCHARG RUNOFF I	MUM	ARGE	Rate	6.71 04.1 04.2 08.	1.01 6.11 .51		Quality of records: excellent. Record began Jan. 21, 1941
	ANNUAL MAXIMMA DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCH	Date	6-22 6-1 2-36 2-26	6-17 5-13 3-19 2-14 8-28	7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-	Quality
	ANNUAL		YEAR		1941 1942 1943 1944 1944	1946 1947 1948 1949 1950	1951 1952 1954 1954 1956 1956	Notes:

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MAXIMUM EAST LANSING, MICHIGAN Watershed B	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours 12 hours 1 day 2 days 8 days	e Vol. Date Vol. Date Vol. Date Vol. Date Vol.	8.82 6-22 82 6-22 82 6-22 82 6-22 82 6-22 82 6-22 82 6-22 82 6-22 82 <th>54 3-1 58 3-1 .92 3-1 1-28 3-1 2-32 85 9-11 .86 4-1 .93 3-31 1-06 3-31 1-61 1-54 3-19 2-09 3-18 2-11 3-18 2-11 3-14 2-88 1-08 1-18 1-41 2-12 1-49 2-12 1-54 2-8 2-44 3 2-14 -81 2-14 -81 2-14 -83 2-28 1-36</th> <th>3</th> <th></th>	54 3-1 58 3-1 .92 3-1 1-28 3-1 2-32 85 9-11 .86 4-1 .93 3-31 1-06 3-31 1-61 1-54 3-19 2-09 3-18 2-11 3-18 2-11 3-14 2-88 1-08 1-18 1-41 2-12 1-49 2-12 1-54 2-8 2-44 3 2-14 -81 2-14 -81 2-14 -83 2-28 1-36	3	
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXI	2 hours	Date Vol. Date	22	236 3-1 11 .73 9-11 19 .82 3-19 18 .49 1-18	10 2-18 2-18 2-18 2-18 2-18 2-18 2-18 2-18	
INCHES PER 1 TES FOR SELE		1 hour	Vol.	.82 6-22 46 3-16 17 3-10 23 2-26 10 2-21	24 1-4 -73 9-11 -55 3-19 -32 1-18 -20 2-28	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	
ISCHARGES IN NOFF IN INCE	JM.	L	Rate Date	7.80 6-22 1.93 6-20 7.9 5-30 2.2 2-26 0.08 2-21	28 1-4 3.69 9-11 2.60 3-19 1.51 6-29 2.7 2-28	21 2-18 30 3-9 1.77 8-1 77 3-25 57 3-2 63 3-2	
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAX IMUM	DISCHARGE	Date	3822 3822 3822 3822 3822 3822 3822 3822	2525F	37777	
AUNIUAL VQ		YEAR		1941 1942 1943 1944 1944	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955 1956	

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shed W	8 day	Date	23-3	3-5 2-19 1-18 2-28	1-20	323		Quality of records: excellent except for 1953. Record began Feb. 13, 1941. b - Total runoff for 1953 was 0.02 inches. all in January.
EAST IANSING, MICHIGAN Watershed	SA	Vol.	.004 .65 1.17 .58 .08	00 38 01 10	T .05	4.0.6.		
	2 days	Date	27.5 5.22 5.22 5.24 5.21	3-5 4-5 3-19 1-18 2-28	1-20	3-25		
	ERVAL	Vol.	.004 .60 1.17 .58 .08	ខ្មះខ្មុំ	T *0*	4.05%		
	IME INTERN	Date	2222	3-5 4-5 3-19 1-18 2-28	1-20	3-25		
	ECTED T	Vol.	.004 .42 1.14 .57 .08	00. 00. 01. 01.	T 0.	4.00.4		
	FOR SELECT	Date	23-3	3-5 4-5 3-19 1-18 2-28	1-20	3-25		
X IMUM S	MAXIMUM VOLUME FOR	Vol.	26 28 27 27 26	.05 .43 .62 .01	T 0°	2.00.		
NUTERVAL	AXIMUM VOL	Date	7,7,7,7	3-5 4-5 3-19 1-18 2-28	1-20	3-25 3-3 4-28		
AND AN	M	Vol.	.003 .13 .35 .04	80° 85° 41°	.02	0.04		
ELECTED	2 ho	Date	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2-5- 2-5- 3-19 2-28	1-20	3-25		
S FOR S	ur.	Vol.	000000000000000000000000000000000000000	25.00.00.00.00.00.00.00.00.00.00.00.00.00	T O.	0.04		
ES IN I	1 hour	Date	3-16 5-2 5-14 5-14	3-5 4-5 3-19 1-18 2-28	1-20	3-25 3-3 4-28		
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	TUM	Rate	27778	91488	ы. 10°	00.00.00.00.00.00.00.00.00.00.00.00.00.		
AL MAKIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAK. VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS.	MAXIMUM DISCHARGE	Date	3-16	3-5 4-5 3-19 1-18 2-28	1-50	23.33		Quality o
AUNUAL	YEAR		1941 a 1942 1943 1944 1945	1946 1947 1948 1949	1951	1954 1954 1955 1956		Notes:

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		ys	Vol.	1.53	1.41	79.	2-11 81.40	.02	.86	.24	1.26	.63	
-A		8 days	Date	11-19	6-17	2-54	2-11	5-18	6-19	6-23	6-1	3-25	
Watershed Pa-A		ys	Vol.	-89	1.40			.02	.85	.23	1.03	.63	
Water		2 days	Date	11-19	6-17	*	*	5-18	6-21	6-23	6-8	3-25	
н	INTERVAL	ay	Vol.	88	1.40			• 05	.85	.23	10.1	.63	val.
MISSOUR	IME INT	l day	Date	11-19	6-17	*	*	5-18	6-21	6-23	6-9	3-25	e inter
BETHANY, MISSOURI	MAXIMUM VOLUME FOR SELECTED TIME	urs	Vol.	92.	1.38			.02	.85	.23	.68	.62	for tim
HE	TOR SEL	12 hours	Date	4-3	6-17	*	岑	5-18	6-21	6-23	6-9	3-25	runoff
XIMUM	VOLUME 1	urs	Vol.	.72	1,38		-	.02	.82	.23	.68	.52	timate
NUAL MA	AXIMUM .	6 hours	Date	4-3	6-17	*	*	5-18	6-21	6-23	6-9	3-25	e to es
AND AN TIME I	M	urs	Vol.	79.	1.25			.02	.79	.22	.45	.36	- unabl
ER HOUR ELECTED		2 hours	Date	9-13	21-9	*	*	5-18	6-21	6-23	6-9	3-25	hawing
NCHES P		ur	Vol.	•59	.95			.02	.73	.19	.28	.28	g and t
ES IN I		1 hour	Date	9-13	6-17	*	*	5-18	6-21	6-23	6-9	3-25	freezin
SCHARG UNOFF I	IUM	RGE	Rate	1.59	1.22			77.	1.66	.31	92.	.17	Intermittent freezing and thawing - unable to estimate runoff for time interval.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	9-13	6-17	*	*	8-20	6-21	6-23	6-9	3-25	1
AINIUAL P VOLU		YEAR		1934	1935	1936	1937	1938	1939	1940	1961	1942	Notes: *
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inversatives irreging and viawing - unable to estimate runoi for time interval.

Partially estimated. Quality of records: Good, except for winter months, which is fair. e

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AINTUAL. VO:	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	DISCHAR	GES IN IN INCHI	INCHES F ES FOR S	ER HOUR	A AND AN	UNUAL MA	XIMUM S	BE	BETHANY, MISSOURI	MISSOUR		Watershed Pa-B	ed Pa-B		
	MAXI	MAXIMUM				r.	MAXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL				
YEAR	DISCH	DISCHARGE	1 hour	our	S ho	2 hours	6 hours	urs	12 hours	urs	1 day	ay	2 da	days	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1932	6-2	.21	6-2	01.	6-2	.12	6-2	77.	6-2	.21	6-2	.39	6-2	.42	6-2	-42
1933	9-56	1.22	9-56	.58	9-56	.65	9-56	1.10	9-56	1.28	9-56	1.31	9-56	1.31	9-26	1.31
1934	4-3	2.52	4-3	.87	4-3	1.02	4-3	1.15	4-3	1.23	4-3	1.27	4-3	1.27	4-3	1.27
1935	6-17	1.75	6-17	1.08	6-17	1.47	6-17	1.54	6-17	1.54	6-17	1.54	91-9	1.58	91-9	1,61
1936	*		*		*		*		*		*		*		2-24	.84
1937	*		*		*		*		*		*		*		3-1	01.19
1938	5-18	EH	5-18	10.	5-18	-01	5-18	.01	5-18	10.	5-18	10°	5-18	.01	5-18	.01
1939	6-21	.73	6-21	.34	6-21	.36	6-21	.40	6-21	177.	6-21	다.	6-21	.41	6-19	777.
1940	6-23	.18	6-23	60°	6-23	.10	6-23	01.	6-23	01.	6-23	.10	6-23	.10	3-6	.22
1941	6-9	1.56	6-9	99.	6-9	•79	6-9	.98	6-9	1,01	6-9	1.40	8-9	1.43	6-2	1.71
1942	6-20	.56	6-20	.17	3-25	.26	3-25	977°	3-25	.62	2-15	e .72	2-15	e .72	2-14	e .72
Notes:	* Inter	Intermittent freezing and thawing - unable to estimate runoff for time interval. Partially estimated. Chality of records: Good. except for winter months, Wild	freezi Limated	ng and t	chawing troof	and thawing - unable	Le to es	timate	to estimate runoff for time interval. Good. except for winter months. Which is fair.	for tim	e inter	val.	fair.			
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			:	77.	11.	.72	.18	- 53	7	
		8 days	Vol.			•	•••	2.03	10.1	
-g		8 d	Date	7-14	5-31	6-19	3-6	6-2	3-25	
Watershed Pa-C		ys	Vol.	.10	11.	69.	.13	1.87	1.01	
Wate		2 days	Date	7-14	5-31	6-19	6-23	8-9	3-25	is fair
Į,	TEVAL	ty.	Vol.	01.	Ħ.	09.	.13	1.83	1.01	which :
MISSOU	ME INTE	1 day	Date	7-14	5-31	6-21	6-23	6-9	3-25	onths,
BETHANY, MISSOURI	CTED TI	ırs	Vol.	.10	ij	09.	.13	1.17	96.	inter m
B	OR SELE	12 hours	Date	7-14	5-31	6-21	6-23	6-9	3-25	 Good, except for winter months, which is fair.
TMOM	OLUME F	ırs	Vol.	-10	11:	.55	.13	1.03	69°	excep.
TUAL MAX	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	7-114	5-31	6-21	6-23	6-9	3-25	
AND AND TIME IN	/W	urs	Vol.	60° a	1.	64.	01.	.62	.37	ril 1, 1937. Quality of records:
ELECTED		2 hours	Date	7-14	5-31	6-21	6-23	6-9	3-25	1, 1937 Lity of
NCHES PI S FOR SI		ır	Vol.	70° a	01.	777.	.10	¥.	-23	April Qual
SS IN II		l hour	Date	7-14	5-31	6-21	6-23	6-9	3-25	blished
ISCHARGI UNOFF II	UM	RGE	Rate	.11	.10	1.36	.17	04.	.29	Station established . Partially estimated.
AL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCIF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-14	5-31	6-21	6-23	6-9	9-50	1 1
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1937	1938	1939	1940	19/1	1942	 otes: p

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			Vol.	3.37	1.68	1,58	1.40	£.	2.18	1.02	2.29	1.00	ble
٠.		8 days	Date .	11-17	2-17	2-24	3-1	8-20	6-18	9-9	6-2	3-25	* - Intermittent freezing and thawing - unable except for winter months, which is fair.
Watershed D-1		8	Vol.	1.70	1.67			.29	2.03	.72	1.89	1.00	d thawi
Water		2 days	Date	11-19	21-9	*	*	8-20	6-21	6-23	8-9	3-25	zing an nths, w
ы	ERVAL	ay	Vol.	1,66	1.63			•29	2.02	.72	1.89	1.00	nt free
MISSOUR	TIME INTERVAL	1 day	Date	11-19	6-17	*	*	8-20	4-21	6-23	8-9	3-25	ermitte
BETHANY, MISSOURI		urs	Vol.	1.44	1.63	,		.29	2.00	.72	1.32	.98	 Partially estimated. * - Intermittent freezing and thawing - Quality of records: Good, except for winter months, which is fair
BE	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	11-19	6-17	*	*	8-20	12-9	6-23	69	3-25	nated.
XIMUM	VOLUME	urs	Vol.	66°	1.63			.29	1.73	.72	1.30	†19°	Ly estin
PER HOUR AND ANNUAL MAX. SELECTED TIME INTERVALS	AXIMUM	6 hours	Date	11-19	6-17	*	*	8-20	6-21	623	6-9	3-25	e - Partially estimated. Quality of records: Good
AND AN	24	urs	Vol.	•72	19.1			.23	1.67	.72	1.06	,34	
ER HOUF		2 hours	Date	9-13	6-17	*	*	5-4	6-21	6-23	6-9	3-25	1, 1934
INCHES F		ur	Vol.	69°	.95			12.	1,60	19.	.83	.27	d July time
LN INCHE		1 hour	Date	9-13	6-17	*	*	5-4	6-21	6-23	6-9	3-25	ablishe
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	2.38	3.18			1.24	3.18	1.43	2.77	.77	ion esta
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	9-13	5-1	*	*	5-4	6-21	6-23	6-9	5-9	p - Station established July 1, 1934. to estimate runoff for time interval.
ANNUAL		YEAR		1934	1935	1936	1937	1938	1939	1940	1771	1942	Notes:
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		ys	Vol.	2.78	1.51	1.08	1.10	97.	2.10	.95	2.27	.92	ible
2		8 days	Date	11-19	21-9	2-54	2-11	8-20	6-21	3-6	6-2	2-14	ıg – une fair.
Watershed D-2		ys	Vol.	1.49	1.50			444.	1.87	.59	1.75	.92	thawir
Water		2 days	Date	11-19	21-9	*	*	8-20	6-21	6-23	8-9	2-14	 ring and
RI	INTERVAL	ay	Vol.	1.49	1.50			777.	1.87	.59	1.66	.81	ted. * - Intermittent freezing and thawing - unable Good, except for winter months, which is fair.
BETHANY, MISSOURI	TIME INT	1 day	Date	11-19	6-17	*	*	8-20	6-21	6-23	6-9	3-25	for wil
ETHANY,	ECTED T	urs	Vol.	1.24	1.49			•36	1.85	•59	1.22	.79	* - Inte
Щ	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	11-19	6-17	*	*	8-20	6-21	6-23	6-9	3-25	- m
XIMUM	VOLUME	urs	Vol.	1.00	1.49			.31	1.56	•59	1.19	29	e - Partially estimated. Quality of records: Good
AND ANNUAL MAX	AXIMUM	6 hours	Date	9-13	6-17	*	*	8-20	6-21	6-23	6-9	3-25	artially
AND AN	M	urs	Vol.	.98	7.77			7.	1,51	.51	10.1	.33	e - P
PER HOUR SELECTED		2 hours	Date	9-13	6-17	*	*	8-20	6-21	6-23	6-9	3-25	, 1934. terval.
NCHES P		hour	Vol.	.97	.93			.12	1.36	.39	.81	.24	July l
ES IN I		l ho	Date	9-13	6-17	*	*	8-20	6-21	6-23	6-9	3-25	olished ff for
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	fUM	RGE	Rate	2.20	1.48			.16	2.37	.53	2.07	. 28	on estal
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED THE INTERVALS	MAXIMUM	DISCHARGE	Date	9-13	6-17	*	*	8-20	6-21	6-23	6-9	6-70	p - Station established July 1, 1934. to estimate runoff for time interval.
ANNUAL		YEAR		р 1934	1935	1936	1937	1938	1939	1940	1941	1942	Notes:

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AINIUAL VOI	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHAR(RUNOFF	TES IN	INCHES DES FOR S	PER HOUR	R AND AND DITINE I	INUAL MA	XIMUM	BE	THANK,	BETHANY, MISSOURI	Н	Waters	Watershed D-3		
	MAX	MAXIMUM				24	MAXIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEL	ECTED I	I'ME I'M	ERVAL				
YEAR	DISC	DISCHARGE	l hour	our	2 hc	2 hours	6 hours	urs	12 hours	urs	1 day	ay	2 days	ys	8 da	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
p 1932	7-7	e •05	7	e •05	7−4	70° e	7-14	e .10	7-7	e .13	7-14	e .13	7-7	.15	7-4	£1.
1933	5-21	2.94	8-21	.87	8-21	1.21	8-21	1.32	9-56	1.90	9-56	1.90	9-56	1.90	9-56	1.90
1934	9-13	2.48	9-13	16.	9-13	66.	9-13	66*	9-13	66.	11-19	1.04	11-19	1.04	11-19	1.92
1935	5-1	4.63	6-17	1,00	6-17	1.42	2T-9	1.43	21-9	1.43	6-17	1.43	6-17	1.49	6-17	1.51
1936	*		*		*		*		*		*		*		2-24	1.41
1937	*		*		*		*		*		*		*		3-1	e 1.00
1938	8-20	2.06	8-20	.25	8-20	•35	8-20	64.	8-20	64.	8-20	64.	8-20	.50	8-20	.50
1939	6-21	3.36	6-21	1.71	6-21	1.73	6-21	1.80	6-21	2.18	6-20	2.21	6-20	2.21	6-18	2.93
1940	6-23	1.53	6-23	92.	6-23	.83	6-23	.83	6-23	.83	6-23	.83	6-23	.83	6-23	-97
1941	6-9	3.52	6-9	89*	6-9	.88	6-9	1.05	6-9	1,12	6-9	1.49	6-9	1.63	6-2	2.28
1942	5-9	2.72	5-9	.28	6-5	•28	3-25	12.	3-25	47.	3-25	.74	3-25	٠٦٦	2-14	98*
Notes: p	P - Station established July 1, 1932. e - Estimated or partially estimated. * - Intermittent freezing and thawing unable to estimate runoff for time interval. Quality of records: Good, except for winter months, which is fair.	on establestimate	lished .	July 1,	1932. ime inte	e - Est erval.	timated Quality	or part	Sially e	estimate lood, en	ed. * -	- Interm	nittent	freezir s, whic	ng and the is fa	hawing ir.

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		ັດ	Vol.	1.96	1.80	1.75	,84	el.30	.65	2.07	-45	1.18	09.	
		8 days	Date	9-56	11-17	91-9	2-24	3-1	8-20	6-19	6-23	10-26	2-14	
d I-58		ys	Vol.	1.96	1.75	1.75			±5.	1.85	777	1.11	09.	
Watershed I-58		2 days	Date	9-56	4-3	91-9	*	*	8-20	6-21	6-23	10-31	بلا-2	
	ERVAL	ay	Vol.	1.96	1.75	1.46			42,	1.85	44.	1.11		
BETHANY, MISSOURI	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	9-56	4-3	6-17	*	*	8-20	6-21	6-23	10-31	*	
ETHANY,	ECTED I	urs	Vol.	1.95	1.75	1,46			±54	1.85	777.	1.07		
M	FOR SEL	12 hours	Date	9-56	4-3	6-17	*	*	8-20	6-21	6-23	10-31	*	
XIMUM	VOLUME	urs	Vol.	1.76	1.71	1.46			.5 ⁴	1.62	44.	92.	. 58	
NUAL MA	AXIMUM	6 hours	Date	9-56	4-3	6-17	*	*	8-20	6-21	6-23	10-31	5-6	
AND AN	M	urs	Vol.	1.19	1.57	1.44			•39	1.60	ord	.35	.28	
ER HOUR		2 hours	Date	9-56	4-3	6-17	*	*	8-20	6-21	No Record	6-9	5-9	
NCHES F S FOR S		ur	Vol.	.83	1.40	.84			•26	1.59	ord	.28	. 28	
ES IN I		1 hour	Date	9-56	4-3	6-17	淬	*	8-20	6-21	No Record	6-9	5-9	
SISCHARG	AUM	ARGE	Rate	2.95	3.79	3.51			2.34	3.98	1.05	.70	5.20	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEY IN INCHES FOR SELECTED TIME INVERVALS	MAXIMUM	DISCHARGE	Date	5-21	4-3	5-1	*	*	8-20	6-21	6-23	6-9	ν. 6-	
ANNUAL I		YEAR		1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	

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			ω.	Vol.	1.82	.86	1.36	1.03	el.30	.27	2.39	1.35	.93	.62	ple
			8 days	Date	9-56	71-11	21-9	2-24	3-1	8-20	6-19	3-6	6-2	2-14	* - Intermittent freezing and thawing - unable, except for winter months, which is fair.
	ed IJ-1		/s	Vol.	1.82	-,84	1.31			•19	2.20	24.	.81	.62	e - Partially estimated. * - Intermittent freezing and thawing - u quality of records; Good, except for winter months, which is fair.
	Watershed IJ-1		2 days	Date	9-56	4-3	6-17	*	• *	8-20	6-20	6-23	8-9	2-14	zing and nths, wh
		ERVAL	day	Vol.	1,82	.84	1.31			.19	2.20	.42	-47	•38	nt free nter mo
	BETHAIX, MISSOURI	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 9	Date	9-56	4-3	21-9	*	*	8-20	6-20	6-23	89	3-25	ermitte for wi
	THAIT,	ECTED I	urs	Vol.	1.78	78.	1.16			.19	2.12	-42	97.	.38	* - Int
	BE	FOR SEL	12 hours	Date	9-56	4-3	6-17	*	*	8-20	6-21	6-23	6-9	3-25	Good,
	XIMUM	VOLUME	urs	Vol.	1.30	78.	1.16			.19	1.76	-42	777	.31	y estim
	NUAL MA NTERVAL	AXIMUM	6 hours	Date	9-56	4-3	6-17	*	*	8-20	6-21	6-23	6-9	3-25	e - Partially estimated. Quality of records; Good
	AND AN	N.	urs	Vol.	.71	.77	1.13			.12	1.65	•42	07.	.22	
	ER HOUE		2 hours	Date	8-21	4-3	6-17	*	*	8-20	6-21	6-23	6-9	3-25	, 1933.
	NCHES F		ur	Vol.	.58	.73	.81		(60°	1.58	07.	.33	.17	July l
	ES IN I		1 hour	Date	9-56	4-3	6-17	*	*	5-4	6-21	6-23	6-9	3-25	blished ff for
	DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	AUM	ARGE	Rate	7.44	2.93	3.00			.52	3.12	1.12	1.31	.58	Station established July 1, 1933. estimate runoff for time interval.
	ANNUAL MAXIMMA DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-9	4-3	5-1	*	*	5-4	6-21	6-23	6-9	5-9	p - Station established July 1, 1933. to estimate runoff for time interval.
258	ANNUAL		YEAR		p 1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	Notes:

		ys	Vol.	8.55 7.93 1.88 5.55	2.72 2.66 1.84 2.75 .94	1.95	1.69	
tershed		8 days	Date	10-2 12-26 5-15 4-22 9-21	10-31 4-20 3-21 3-25	3-10 3-31 10-10 2-19	7 8 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
McCredie, Missouri, Station Reservoir Watershed		days	Vol.	7.90 3.48 3.56 1.65	1.81 2.30 1.75 1.38	1.27 .82 .45 .15	1.69	
n Reser		2 de	Date	10-3 12-26 5-16 4-10 9-21	11-1 4-23 3-21 3-25 1-2	3-15 3-18 3-3 10-10 1-4	7-14 6-29	
, Statio	TERVAL	1 day	Vol.	7.67 2.35 1.52 2.35	1.51 1.81 01.18 1.36	1.22	1.69	, 1941
issouri	TIME INTERVAL	1 0	Date	10-4 12-26 5-17 4-10 9-21	5-10 4-24 11-1 3-26 1-13	3-16 3-18 5-4 10-11	7-17 7-17	Apr. 1
edie, M	ECTED 1	urs	Vol.	6.94 2.75 2.07 1.32 2.26	1.61	1.06 .67 .38 .08	1.68	Records began Apr. 1,
MeCr	FOR SEI	12 hours	Date	10-4 12-26 5-17 4-10 6-7	5-9 4-24 3-21 3-30 1-13	3-17 3-31 5-4 10-14 1-5	7-14	Record
XXIMUM S.	VOLUME	6 hours	Vol.	3.97 2.02 1.12 1.10 2.09	1.05 1.01 1.21 1.55	1.01 .61 .31 .08	.73	Good.
IN INCHES PER HOUR AND ANNUAL MAXIMUM INCHES FOR SELECTED TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED	6 hc	Date	10-4 6-26 5-7 4-10 6-7	1-8 4-24 3-21 3-30 1-13	3-17 3-31 5-4 10-14 1-5	7-14	Quality of records - Very Good.
AND AN	V	hours	Vol.	2.04 1.10 .77 .73	.61 .747 .69 .69	. 269 . 200 . 200 . 200 . 18	74.	records
ER HOUF		2 hc	Date	10-4 6-26 5-17 4-10 6-7	1-9 4-24 3-21 3-26 1-13	3-17 3-31 5-22 10-14 1-5	7-15	ity of
NCHES F		ur	Vol.	1.20 .70 .52 .44	. 12 . 12 . 14 . 15	21. 22. 30. 30.	.35 .47.	
		1 hour	Date	10-4 6-8 6-8 14-10 6-7	1-9 4-24 3-21 3-26 1-13	3-17 3-31 5-22 10-14 1-5	7-15	timated
DISCHARC RUNOFF 1	AL MAXIMUM DISCHARGES IN INCHES FOR HOUR VOLUMES OF RUNGFF IN INCHES FOR SELECTED MAXIMUM	ARGE	Rate	2.01 .94 .72 .47	. 288. . 259 . 70 . 114	52.19.19	1.09	Partially estimated.
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 1	MAXIMUM	DISCHARGE	Date	10-4 6-26 5-17 4-10 6-7	1-9 4-24 3-21 3-30 1-13	3-17 3-31 5-22 10-14 1-5	7-15 6-30	e - Parti
ANNUAL		YEAR		1941 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956	Notes:
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ANNUAL VO	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARC RUNOFF 1	JES IN J	NOTES P	ER HOUR ELECTED	AND AN	INUAL MA	XIMUM	McCred	McCredie, Missouri,		Southwe	Southwest Pond, No.		2 Watershed	peys
	MAXI	MAXIMUM				×	AXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED	ECTED T	TIME INTERVAL	ERVAL				
YEAR	DISCHARGE	IARGE	1 hour	our .	2 hours	urs	6 hours	urs	12 hours	urs	1 day	ay	2 da	days	8 de	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1951	3-17	0.45	3-17	07.0	3-17	179.0	3-17	0.91	3-16	96.0	3-16	1.02	3-16	1.08	3-10	1.38
1952	3-31	.27	3-31	72.	3-31	,24	3-31	.55	3-31	.57	3-31	.59	2-3	09:	3-31	1.05
1953	5-22	.22	5-22	.15	5-22	.23	5-4	.32	5-4	.38	5-4	07.	5-4	07.	3-3	.57
1954	10-14	• 05	10-14	• 05	10-14	.03	10-17	•05	10-14	90°	10-17	90°	10-14	90.	10-9	60.
1955	4-23	.15	1-4	21.	1-4	.21	1-7	• 32	1-7	.34	2-18	.62	2-18	29.	2-18	. 36
1956	7-3	.5%	7-3	•35	7-3	:13	7-15	е •73	7-15	92. е	7-15	92. 0	7-15	92. ө	7-13	. 82
1957	6-5	1.46	6-59	•59	6-59	-77	6-59	1.23	6-5	1.44	6-59	1.14	6-59	1.44	6-59	1.144
Notes:	e - Partially estimated.	ially es inlet.	timated		ity of	records	- fair	, spill	Quality of records - fair, spillway discharge sometimes affected by weeds or trash	charge	some time	ss affec	cted by	weeds	or tras	- u

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AUNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARGES IN INCHES FER HOUR AND ANNUAL MAX. RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	TES IN I	INCHES 1	PER HOUE	AND A	INTERVAL	XIMUM		COSEC	COSHOCTON, OHIO	OIH	Wate	Watershed 102	.02	
	MAXIMUM	MUM				4	MAXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	nr	2 hours	urs	6 hours	urs	12 hours	urs	l day	ay	2 da	days	8 de	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
p 1937	6-21	1.07	6-21	0.32	6-21	0.34	6-21	0.34	6-21	0.34	6-21	0.35	6-21	0.35	6-14	0.39
1938	8-4	41.	₩-8	•05	8-4	•05	8-4	.02	8-4	.02	8=4	•05	8-4	.02	7-31	*00*
1939	7-8	-45	7-8	•13	78	.13	7-8	.18	7-8	.18	7-8	.18	7-8	.18	7-8	.18
1940	8-27	.88	8-27	.23	8-27	•23	8-27	.23	8-27	,24	8-27	.24	8-27	,24	8-27	.25
19/1	5-22	977.	5-52	.15	5-22	•15	5-25	•15	7-7	•19	7-7	.19	7-7	•19	7-7	•19
३५६१		0		0		0		0		0		0		0		0
1943	5-30	•03	5-30	•01	5-30	•01	5-30	.01	5-30	•01	5-30	•01	5-30	•01	5-30	•01
1944	7-12	E	7-12	€	7-12	E	7-12	e	7-12	E	7-12	E-I	7-12	T	7-12	€
1945	9-23	•578	9-23	77.	9-23	•19	9-23	.21	9-23	.21	9-23	.21	3-22	•38	3-20	•50
1946	91-9	•75	91-9	.29	91-9	.30	91-9	.30	6-16	.30	91-9	.30	91-9	•30	91-9	•30
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p - Station not in operation January through March 19. Quality of records: good.

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		ys	Vol.	90.38	, 8	N	.12	•37	.20	e	0	e	1Z.	•76	
† ₁		8 days	Date	4r-9	- 0	7-9	7-8	82-9	5-17	7-10		7-12	3-80	91-9	
Watershed 104		ys	Vol.	90.35	3	N O	•12	.37	8.	E	0	€	77.	.76	
Water		2 days	Date	6-21		7-8	7-8	6-88	5-22	7-10		7-12	3-55	91-9	
OII	ERVAL	ay	Vol.	0.35	3	20.	•12	.37	8.	€⊣	0	€+i	60	.76	
COSHOCTON, OHIO	TIME INTERVAL	1 day	Date	6-21 9 0.35		η- ₈	7=8	6-28	5-55	7-10		7-12	9-23	91-9	
COSHOC	CTED TI	ırs	Vol.	15 O 8		o O	.12	•37	S.	H	0	E-I	8,	•76	
	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	6-9		17- 8	7-8	6-28	5-22	7-10		7-12	9-23	91-9	
IMUM	OLUME F	ırs	Vol.	15 0 a 10.31	† !	o o	11.	.37	8	₽	0	€	60°	92.	
TERVALS	X MUMIX	6 hours	Date			8-7	10-26	6-8	5-25	7-10		7-12	9-23	91-9	good.
AND AND TIME IN	M	rs	Vol.	20 0 21	\$	000	.11	±2.	•19	€⊣	0	€	-00	•76	records
R HOUR		2 hours	Date		7 .	1-8	10-26	628	5-55	7-10		7-12	9-23	91-9	ity of
CHES PE		ır	Vol.	200	90°08	0°	.11	.23	.18	EH	0	E	90°	.75	. Qual
S INCHES		1 hour	Date	5	12-0	†7 - 8	10-26	6-28	5-22	7-10		7-12	9-23	91-9	timated in oper
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MD	RGE	Rate	t c	/O•T 0	•10	£.	.91	•55	EH	0	EH	.18	1.84	e - Partially estimated. Quality of records; good.
AXIMUM D	MAX IMUM	DISCHARGE	Date			8-4	10-26	6-28	5-22	7-10		7-12	9-23	91-9	- Part
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		E	p 1957	1938	1939	0461	1961	20/61	1943	1944	1945	1946	Notes:

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		days	Vol.	0.26 .33 .43 .43 .05	888 2443	1.01	1. .69 .71	
6		8 de	Date	5-14 7-8 6-23 7-1 6-14	5-30 8-23 9-20 6-16	2-13 7-6 9-1 1-14 1-20	5-7 1-20 2-6 6-21	
Watershed 129		ys	Vol.	0.00 53.00 54.00 50.00	88 65 77 4	1.02	т т. т. т.	
Water		2 days	Date	8-7 6-28 7-7 7-7	5-30 8-23 9-23 6-16	2-13 7-6 9-1 1-14 1-26	5-7 1-20 2-6 6-24	
OI	ERVAL	day	Vol.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	98. 98. 14. 14.	1.02	44	
COSHOCTON, OHIO	IME INT	1 d	Date	8-7 6-28 7-7 7-7	5-3 8-23 6-16 6-6	2-13 7-6 9-1 1-14 1-26	5-7 1-20 2-6 6-24	
COSHOC	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	hours	Vol.	0.16 571 541 541 50	11. 80. 37. 46.	1.02	F F 577.	
	FOR SEL	12 ho	Date	8-4 7-8 6-28 7-7 6-14	5-30 8-23 9-23 6-16	2-13 7-6 9-1 1-14 1-26	5-7 1-20 2-6 6-24	
XIMUM	VOLUME	urs	Vol.	0.16 2.25 2.55 5.00	11. 0.08 37. 37.	.89 .07 1.01 .09	11 330 38	
AND ANNUAL MAX. TIME INTERVALS	AXIMUM	6 hours	Date	8-4 7-8 6-28 7-7 6-14	5-30 8-23 9-23 6-16	2-13 7-6 9-1 1-14 1-26	5-7 1-20 2-6 6-24	
AND AN	Zi	hours	Vol.	0.16 12. 54. 78.	21. 08. 08. 47. 57.	.53 .07 1.01 .05	T T. .13	
PER HOUR SELECTED		2 ho	Date	8-7 7-8 6-28 7-7	5-30 8-23 9-23 6-16	2-13 7-6 9-1 1-14 1-26	5-7 1-20 2-6 6-25	
NCHES P		ur	Vol.	0.15 0.05 0.05 0.05 0.05	.08 .08 .15 .74 .79	.35 .007 .03 .12	T .07	9
ES IN I		l hour	Date	8-14 7-8 6-28 7-7 6-20	5-30 8-23 9-23 6-16 6-6	2-13 7-6 9-1 1-14 1-26	5-7 1-20 2-6 6-25	rds: 00
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	0.58 0.58 1.12 272 1.22	.80 .53 .71 .73 .73	45. 1.93 70. 1.99	.01 T .07 2.08	Onality of records: good
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-17 7-8 6-28 7-7	5-31 8-23 9-23 6-16 6-6	2-13 7-6 9-1 7-11 1-26	5-7 1-20 2-6 6-25	Onality
AINIVAL 1 VOLI		YEAR		p 1938 1939 1940 1941 1941	1943 1944 1945 1946 1946	1948 1949 1950 1951 1952	1953 1954 1955 1956	Notes:
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Quality of records; good.

p - Station not in operation January through March 25.

		ys	Vol.	0.04	.02 .08 .28 .59		0 .60 .19	
		8 days	Date	8-1 7-8 8-27 7-1 7-14	5-30 8-23 9-23 6-12 6-6	2-13 8-31 9-1 2-7 1-26	2-6	
D 135		days	Vol.	0.00 411. 88. 89.	.02 .28 .57 .19	.51 .06 .95 .27	0 0,4,0 0.19	
WATERSHED 135		2 da	Date	8-14 7-8 8-27 7-7 6-20	5-30 8-23 9-23 6-16 6-6	2-13 8-31 9-1 2-11 1-26	2-6	
	ERVAL	ay	Vol.	0.04 11. 36. 28 .28	.02 .28 .57	.51 .06 .95 .27	0 0.40 .16	
COSHOCTON, OHIO	FOR SELECTED TIME INTERVAL	1 day	Date	8-4 7-8 8-27 7-7 6-20	5-30 8-23 9-23 6-16 6-6	2-13 8-31 9-1 2-11 1-26	2-6 6-24	
OORSOO	ECTED T	urs	Vol.	41. 58. 58. 50.	.11 .02 .28 .57	.51 .06 .95 .95 .16	0 0 .33 .16	
	FOR SEL	12 hours	Date	8-14 7-8 8-27 7-7 6-20	5-30 8-23 9-23 6-16	2-13 8-31 9-1 2-11 1-26	2-6 6-24	
XIMUMIX	MAXIMUM VOLUME	urs	Vol.	0.04 .11 .33 .16	.02 .02 .28 .57	. 15 95 12 12	0 0 .23 .15	th 26.
AND ANNUAL MAXIMUM TIME INTERVALS	AXIMUM	6 hours	Date	8-4 7-8 8-27 5-22 6-20	5-30 8-23 9-23 6-16 6-6	2-13 8-31 9-1 2-11 1-26	2-6 6-24	gh Marc
	M	hours	Vol.	0.04	.07 .02 .02 .02 .03	800.00	0 0 .11.	y throu
PER HOUR SELECTED		S ho	Date	8-14 7-8 8-27 5-22 6-20	5-30 8-23 9-23 6-16	2-13 8-31 9-1 2-11 1-26	2-9 6-24	l. Januar
INCHES FOR S		nr	Vol.	0.03	.00 .02 .71 .56	.17 .06 .74 .02	0 0 07	ls: good peration
		1 hour	Date	8-t ₁ 7-8 8-27 7-7 6-20	5-31 8-23 9-23 6-16 6-6	2-13 8-31 9-1 2-11 1-26	2-9 6-24	f record
DISCHARGES RUNOFF IN	MUM	ARGE	Rate	0.15 .33 1.28 .56	.12 .17 .68 1.43	.20 .34 1.47 .05	0 0 .07 .78	Quality of records: good. Station not in operation January through March 26.
AL MAXIMUM I	MAXIMUM	DISCHARGE	Date	8-4 7-8 7-23 7-7 6-20	5-31 8-23 9-23 6-16	2-13 8-31 9-1 7-11	2-9 6-25	p - gt
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I		YEAR		p 1938 1939 1940 1941	1943 1944 1945 1945	1948 1949 1950 1951 1951	1953 1954 1955 1956	Notes:

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		days	Vol.	60.29 .08.57 .09	69 84 84 69 69	96. 100. 100. 80. 86.	.02 1.12 .99	
		8 da	Date	8-1 7-8 6-23 7-1 3-16	5-30 9-23 6-16 5-28	2-13 1-27 9-1 1-14 1-26	5-7 1-20 3-1 1-30	
Watershed 130		ys	Vol.	42322	8.1. 7.1. 6.0. 6.0.	1.02	.02 .12 .43	
Waters		2 days	Date	8-4 7-8 6-28 7-7 3-16	5-30 2-17 9-23 6-16 5-25	2-13 1-27 9-1 1-14 1-26	5-7 1-20 3-4 2-6	
нго	ERVAL	day	Vol.	0.24 .60 .09	05.00 15.00 06.00 06.00	.96 .01 .08 .39	. 12 . 12 . 4,3	
COSHOCTON, OHIO	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 d	Date	8-4 7-8 6-28 7-7 3-16	5-30 2-17 9-23 6-16 5-25	2-13 1-27 9-1 1-14 1-26	5-7 1-20 3-4 2-6	
COSEC	ECTED T	urs	Vol.	45.0 .50 .60 .69		.96 .01 1.02 .07	1. 12. 51.	
	FOR SEL	12 hours	Date	8-4 7-8 6-28 7-6 3-16	5-30 9-23 6-16 5-25	2-13 1-27 9-1 1-14 1-26	5-7 1-20 3-4 2-6	
XIMUM	VOLUME	urs	Vol.	48888	8. 11. 14. 16. 16. 16. 16. 16. 16. 16. 16. 16. 16	.87 .01 1.02 .04	T .12 .35	d. 1 19.
AND ANNUAL MAXIMUM TIME INTERVALS	MXIMUM	6 hours	Date	8-4 7-8 6-28 5-22 3-16	5-30 2-17 9-23 6-16 8-16	2-13 1-27 9-1 1-14 1-26	3-4	ds: goo gh Apri
AND AN	N	urs	Vol.	0.24 .27 .58 .08	11. 00. 121. 141. 168. 90.	1.02 1.02 .03	1 .09 .24	Quality of records: good. on January through April
PER HOUR SELECTED		2 hours	Date	8-4 7-8 6-28 5-22 3-16	5-30 2-17 9-23 6-16 8-16	2-13 1-27 9-1 1-14 1-26	2-1 3-1 2-26	ality o Januar
		ur	Vol.	0.22 .27 .34 .21 .06		.22 T.97 .02	.01 .07 .23	ed. Qu
		1 hour	Date	8-14 7-8 6-28 5-22 3-16	5-30 2-17 9-23 6-16 8-16	2-13 1-27 9-1 1-14 1-26	5-7 1-20 3-4 7-27	estimat t in op
DISCHARGES IN INCHES RUNCFF IN INCHES FOR	MUM	ARGE	Rate	0.85 1.03 .53	. 23 . 45 . 33	20. 74.5 74.5 75.5	.04 .12 1.18	- Partially estimated. Quality of records: good.
MAXIMUM UMES OF	MAXIMUM	DISCHARGE	Date	8-4 7-8 6-28 5-22 3-16	5-30 9-23 6-16 8-16	2-13 1-27 9-1 1-14 1-26	5-7 1-20 3-4 6-25	e - Par p - Ste
AINTUAL 1		YEAR		p 1938 1939 1940 1941 1942	1943 1944 1945 1946 1947	1948 1949 1950 1951 1952	1953 1954 1955 1956	Notes:

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		days	Vol.	0.03	5	1 79•	1.06	69:	67.	.88	•58	1.38	86.		
		8 da	Date	11_18	;	11-17	4-15	5-16	12-26	525	3-4	3-1	2-26		
01 pe		ys	Vol.	0.03	1	55.	1.04	•56	847.	98°	•55	1.03	• 38		9
Watershed 107		2 days	Date	81-11		/.T=47	4-19	7-7	12-29	5-30	3-5	3-5	2-26		ber 194
	INTERVAL	ay	Vol.	0.03	-	<i>)</i> #.	%	•56	-45	.85	.53	86.	8		н Бесеш
COSHOCTON, OHIO	TIME INT	l day	Date	81-11		/r-+7	4-19	7-7	12-29	5-30	3-6	3-6	2-26		throug
COSHO	ECTED T	urs	Vol.	0.00		qty.	%	•56	.25	•56	.50	26.	• 38	-	arch 29
	FOR SEL	12 hours	Date	81-11		/.T=47	4-19	7-7	5-15	5-30	3-6	9-23	2-26		8 and M
XIMUMIX	VOLUME	urs	Vol.	0.0	,	• 26	•61	•53	.21	•56	•34	96•	.35		19, 193
NUAL MA	MAXIMUM VOLUME FOR SELECTED	6 hours	Date	81-11		/T-47	4-19	7-7	3-13	5-30	3-6.	9-23	2-26		s: good h June
AND AN TIME I	M	urs	Vol.	0.0	8	Ŗ	•35	•52	.17	• 52	.22	*8°	.21		Quality of records: good.
ER HOUR ELECTED		2 hours	Date	8ר-נר		/I-h	4-19	7-7	3-13	5-30	7-4	9-23	2-26		lity of Jenuary
NCHES P		ur	Vol.	0,0	<u>_</u>	*I5	•26	847.	.11	.34	.15	•53	.12		d. Que
ES IN I		1 hour	Date	11-18		/I=h	6-18	7-7	3-13	5-30	7-4	9-23	2-26		stimate in ope
SCHARG UNOFF I	AUM.	RGE	Rate	50.0) 7	₹	•75	.81	ДГ.	•72	.18	1.31	•13		- Partially estimated. Quality of records: good. - Station not in operation January through June 19, 1938 and March 29 through December 1946.
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX VOLUMES OF NUNCET IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	80) [J.T-†7	6-18	7-7	3-13	5-31	4-7	9-23	2-26		e - Part p - Stat
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1028	0 00	1959	194o	1961	रो6ा	1943	1944	1945	9761 d		Notes:

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		days	Vol.	T 0.06 .12 .17	.08 .06 .09	.17	0 .02 .02	·	
		8 da	Date	8-4 7-8 4-19 5-17 3-16	3-16 3-6 3-2 6-16 1-30	2-13 7-20 9-1 1-14 1-26	5-7 3-4 2-25		
131		days	Vol.	10.06 11.09 00.09	00.00.00.00.00.00.00.00.00.00.00.00.00.	.17 .01 .15 .11	0 0 0 0 11.		
WATERSHED 131		2 da	Date	8-4 7-8 4-19 5-22 3-16	5-30 3-6 6-16 1-30	2-13 7-20 9-1 1-14 1-26	5-7 3-4 2-25		
1	ERVAL	ay	Vol.	1 0.06 .09 .02	00 00 12,0 00 01	.17	0 .02 .02 .11		
cosyocrow, outo	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	8-4 7-8 4-19 5-22 3-16	5-30 3-6 5-16 1-30	2-13 7-20 9-1 1-14 1-26	5-7 3-4 2-25		
008300	ECTED I	urs	Vol.	1 0.06 .12 .09	.00 .00 .09 .09	.17 .15 .11	6 .01 0 .02 .11		
	FOR SEI	12 hours	Date	8-4 7-8 4-19 5-22 3-16	5-30 3-6 5-6 6-16 1-30	2-13 7-21 9-1 1-14 1-26	5-7 3-4 2-25		
XIMUM	VOLUME	hours	Vol.	10.05 .10 .09	.07 .05 .11 .09	.15 .15 .08	.02 .02 .11		
AND ANNUAL MAX. TIME INTERVALS	MAXIMUM	6 hc	Date	8-4 7-8 4-19 5-22 3-16	5-30 4-8 9-23 6-16 1-30	2-13 7-21 9-1 1-14 1-26	5-7 3-4 2-25		s: rood
AND AN	24	hours	Vol.	0.05 00.07 00.09	900000	.09 .15 .05	0 .02 .08		record
PER HOUR SELECTED		2 hc	Date	8-4 7-8 4-19 5-22 3-16	5-30 4-8 9-23 6-16 1-30	2-13 7-21 9-1 1-14 1-26	5-7 3-4 2-25		Quality of records; good,
INCHES I		ur	Vol.	0.04 0.05 0.07	.04 .02 .05 .08	1.05 1.14 .03	0.01		
ES IN I		1 hour	Date	8-4 6-28 3-15	5-30 4-8 9-23 6-16 1-30	2-13 7-21 9-1 1-14 1-26	5-7 3-4 2-25		stimate
DISCHARGES IN INCHES FOR	MUM	4RGE	Rate	1 0.08 .09 .14 .02	.05 .03 .10 .02	98.00.00.00.00.00.00.00.00.00.00.00.00.00	• .02 0 .01		- Partially estimated.
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-4 7-8 6-28 5-22 3-16	5-30 4-8 9-23 6-16 8-16	2-13 7-21 9-1 1-14 1-26	5-7 3-4 2-25		e - Part
AINTUAL N VOLU		YEAR		1938 1939 1940 1941 1941	1942 1944 1945 1946 1946	1948 1949 1950 1951 1952	1953 1954 1955 1956		Notes:
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e - Partially estimated. Quality of records: good. p - Station not in operation January through April 29.

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ATTITAT.	MINITARY TATIONA CITA STOP SIGNATURE SERVICE STRUCTURE S	DISCHARG	T NT SA	NOHES	THE HOLE	MA CENTA	AM TATES	VTMTV			c					
VOI	VOLUMES OF RUNGIF IN INCHES FOR SELECTED TIME INTERVALS	RUNOFF I	IN INCHE	SE FOR	BLECTEL	TIME	NTERVAL	S		COSHOC	COSHOCTON, OHIO	IIO	WATERSHED	ED 132		
	MAXIMUM	MUM				Zi.	MUMITAL	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	TIME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	l day	ay	2 da	days	8 days	ıys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
р 1948	5-4	0.02	5-4	0.02	5-4	†70°0	7-5	60*0	7-5	0.13	5-4	0.13	5-4	0.13	5-2	0.21
1949	5-22	•03	1-27	•05	1-27	†0°	1-27	200	1-27	.10	1-27	.10	1-26	.11	1-26	.11
1950	9-1	947.	9-1	8	9-1	.27	5-25	•34	5-25	.34	5-25	•34	5-25	•34	5-25	•34
1951	1-14	•01	1-14	•01	1-14	•01	1-14	•03	1-14	,0¢	$1-1l_{\downarrow}$	70°	$1-1l_{\downarrow}$.04	1-14	·04
1952	1-26	.11	1-26	.10	1-26	.17	1-26	.32	1-26	-45	1-26	8 [†] 7°	1-26	84.	1-20	•55
1953	5-7	†10°	2-7	[†] 70°	2-2	80.	2-7	.15	2-2	.16	5-7	•16	2-2	•16	5-7	.16
1954		0		0		0		0		0		0		0		0
1955	7.4	•05	3-4	•05	3-4	•03	3-4	•05	3-4	•05	3-4	.05	3-4	•05	3-4	.05
1956	2-25	.18	2-25	.16	2-25	8.	2-25	.47	2-25	67.	2-25	67.	2-25	67.	2-25	67.
Notes:	p.	Quality of records: good.	of reco	rds: go	od. on Janu	ary thr	ough Apı	ril 1.								

	Watershed 134		days	Vol.	0.20	.71	•43	•37	12-29 e.02	•17	€	.17	•05	H		
	Water		2 de	Date	8-4	78	6-28	5-25	12-29	5-30	7-8	3-6	91-9	9-9		
	0Ⅲ0	INTERVAL	day	Vol.	0.20	•71	.43	.37	12-29 e .02	•17	E	•17	• 05	€⊣		
	COSHOCTON, OHLO	TME INT	PΤ	Date	4-8	7-8	6-28	5-22	12-29	5-30	P=4	3-6	91-9	9-9		
	OESOO	SELECTED TIME	urs	Vol.	0.20	.70	.43	.37	e .01	.12	€	•14	•05	E		
		FOR SEL	12 hours	Date	7-8	7-8	6-28	522	3-16	5-30	8-23	3-6	91-9	9-9		
	XIMUM	VOLUME	urs	Vol.	0.20	177	.43	.37	e .01	•12	€	60°	•05	€		
	NUAL MA NTERVAL	MAXIMUM VOLUME	6 hours	Date	4-8	7-8	6-28	5-22	3-16	5-30	8-23	9-6	91-9	9-9		
	AND AN TIME I	M	hours	Vol.	0.20	8%	•34	•36	• •01	.12	E	•05	70.	E		
	IN INCHES PER HOUR AND ANNUAL MAXIMUM NCHES FOR SELECTED TIME INTERVALS		2 ho	Date	8-4	7-8	6-28	5-25	3-16 e	5-30	8-23	3-6	91-9	9-9		
	NCHES FOR S		ur	Vol.	0.19	.38	.31	•34	e •01	.10	E	.03	70.	E		
			1 hour	Date	8-4	7-8	6-28	5-25	3-16	5-30	8-23	3-6	91-9	9-9		
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	0.70	1.45	1.00	.77	• •01	•18	•01	•10	.10	• 05		
	AUNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	8-4	7-8	6-28	5-22	3-16	5-30	8-23	3-21	91-9	9-9		
8-57	ANNUAL		YEAR		p 1938	1939	1940	1961	37/61	1943	1944	1945	97/61	1947		
		-								26.9						

.17 12-29 e .02

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8-4 3-2 91-9

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Vol. 8 days Date 7-31

6-23 5-17

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e - Partially estimated. Quality of records: good. p - Station not in operation January through April 29, 1938 and June 1 through December 1947.

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		days	Vol	0.70	1.65	25.1 25.1 2.15 2.15	. 64 1.13	
		8	Date	7-4 6-25 7-1 12-29 3-16	3-6 3-2 6-16 1-15 4-11	1-24 1-3 1-14 1-20 1-17	3-30 3-1 2-18	
3D 123		days	Vol.	0.68 .89 1.11 .52	63 1.03 1.48 37	2.03 2.03 2.03	.01 .47 1.13	
WATERSTED 123		2 da	Date	7-7 6-28 5-22 12-29 3-19	3-6 3-6 6-16 1-29 2-13	1-26 9-1 1-14 1-26 1-16	3-30 3-4 2-25	
	ERVAL	ay	Vol.	0.68 .89 1.11 .33	.63 1.01 1.48 .37 .94	.32 1.01 .55 2.02	.01 .47 1.13	
COSHOCTON, OHIO	TIME INTERVAL	l day	Date	7-8 6-28 5-22 12-29 3-19	3-6 3-6 6-16 1-30 2-13	1-27 9-1 1-14 1-26 1-26	3-30 3-14 2-25	
COSHO	ECTED T	urs	Vol.	0.68 .88 1.11 .32	.63 .84 1.48 .37	.32 1.01 .49 1.69	.01 .47 1.13	
	FOR SELECTED	12 hours	Date	7-8 6-28 5-22 3-16 3-19	3-6 3-6 6-16 1-30 2-13	1-27 9-1 1-14 1-26 1-26	3-30 3-4 2-25	
XIMUM	VOLUME	urs	Vol.	0.37 .88 1.11 .32	.51 .47 1.36 .37	.29 1.01 .36 1.04	.01 .16 1.10	
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	7-8 6-28 5-22 3-16 3-19	3-6 3-6 6-16 1-30 2-13	$\begin{array}{c} 1-27 \\ 9-1 \\ 1-1/4 \\ 1-26 \\ 1-26 \end{array}$	3-30 3-4 2-25	
	M	hours	Vol.	0.37 .85 .86 .27 .38	.28 .31 1.13 .20	1.00 1.00 1.00 1.00 1.00	.01 .27 .71	
PER HOUR SELECTED		2 ho	Date	7-8 6-28 5-22 3-16 3-19	3-6 9-23 6-16 1-30 2-13	1-27 9-1 1-14 1-26 1-17	3-30 3-14 2-25	llent.
IN INCHES F		nr	Vol.	0.34 45.0 45. 45.	.17 .21 1.05 .13	.90	.01 .18 .1.1.	s: exce
ES IN I		1 hour	Date	7-8 6-28 6-29 3-16 3-19	3-6 9-23 6-16 1-30 4-14	7-6 9-1 1-14 1-26 1-17	3-30 3-14 2-25	record
DISCHARGES RUNOFF IN	NUM	ARGE	Rate	1.14 1.68 1.68 2.24 .24 .32	.19 .38 1.91 .18	89. 11.75 11. 14.	.01 .23 .87	Quality of records: excellent.
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	7-8 6-28 6-29 3-16 3-19	3-6 9-23 6-16 1-30 4-14	7-6 9-1 1-14 1-26 8-9	3-30	Que
AINTUAL I		YEAR		1939 1940 1940 1942 1942	1944 1945 1946 1946 1948	1949 1950 1951 1952 1953	1954 1955 1956	Notes:
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		days	Vol.	2.06 1.56 2.85 1.2	.13 1.02 1.33 1.33	1.59	.24 .36			
		8 de	Date	7-4 8-26 6-29 6-4 3-16	3-6 9-20 6-16 1-26 2-13	7-6 9-1 1-14 1-20 8-4	1-20 3-1 2-25			
Watershed 115		days	sys.	Vol.	1.55	.13 1.32 1.37 1.18	64 1.59 .15 .96 .45	45. 71. 36.		
Waters		2 da	Date	7-8 6-26 5-22 6-4 5-30	3-6 9-23 6-16 1-30	7-6 9-1 1-14 1-26 8-9	1-20 3-4 2-25			
OIH	ERVAL	day	Vol.	1.55	.15 .85 1.32 .18	.64 1.59 1.59 96 545	.24 .17 .36	arch 31.		
COSHOCTON, OHIO	IME INT	3	ED TIME II	IME INTE	Date	7-8 6-28 5-22 6-4 3-19	2-6 9-23 6-16 1-30	7-6 9-1 1-14 1-26 8-9	2-1-20 2-4-25-25	Tough M
COSEC	ECTED T			Vol.	1.55	1.32	10.04 10.59 11.09 11.09 11.09	15. 17 36.	lary th	
	FOR SEL	12 hours	Date	7-8 6-28 5-22 6-4 3-19	3-6 9-23 6-16 1-30 8-13	7-6 9-1 1-14 1-26 8-9	1-20 3-4 2-25	Station not in operation January through March		
XIMUM	MAXIMUM VOLUME FOR	nrs	Vol.	1.29	1.25 1.25 1.84 1.8	1.53 07 07 .50 .45	.24 .16 .36	operat		
AND ANNUAL MAX TIME INTERVALS	AXIMUM	6 hours	Date	7-8 6-28 5-22 5-14 3-19	3-6 9-23 6-16 1-30 2-13	7-6 9-1 1-14 1-26 8-9	1-20 3-4 2-25	not in		
AND AN	M	urs	Vol.	0.72 1.11 .97 .12	.06 .055 .09 .32	1.56	. 10 . 10 . 27	Station		
IN INCHES PER HOUR AND ANNUAL MAXIMUM INCHES FOR SELECTED TIME INTERVALS		2 hours	Date	7-8 6-28 6-29 6-4 5-31	3-6 9-23 6-15 6-6	7-6 9-1 2-21 1-25 8-9	1-20 3-4 2-25	<u>.</u>		
NCHES F S FOR S		ur	Vol.	0.57 .69 .85 .12	.03 .51 1.11 .08	1.33 1.33 004 .20 .45	.21 .07 .19	excellent.		
ES IN I		J hour	Date	7-8 6-18 8-15 6-4 5-31	3-6 9-23 6-16 6-6	7-6 9-1 2-21 1-26 8-9	1-20 3-4 2-25	- 1		
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	2 2 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	204 245 245 228 18	3.89 1.98 .05 1.87	. 26 . 32 . 32	of recor		
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNCFF IN I	MAXIMUM	DISCHARGE	Date	7-8 7-23 8-15 6-4 5-31	3-6 9-23 6-16 6-6 2-14	7-6 9-1 2-21 1-26 8-9	1-20 3-4 2-25	Quality of records:		
AINTUAL		YEAR		p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	Notes:		
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ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED THÆ INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	rs 6 hours 12 hours 1 day 2 days 8 days	Vol. Date Vol. Date Vol. Date Vol. Date Vol. Date Vol.	0.43 7-6 0.43 7-6 0.43 7-6 0.43 7-6 0.43 7-6 0.43 7-6 0.80	1.48 9-1 1.48 9-1 1.49 9-1 1.49 9-1 1.49 1-2 2.73	.18 1-3 .38 1-3 .59 1-3 .96 1-3 1.00 2-12 1.59	.55 1-26 1.15 1-26 1.97 1-26 2.65 1-25 2.82 1-25 2.85	.05 1-27 .11 1-27 .15 1-27 .16 1-27 .16 1-24 .28	.22 1-20 .22 1-20 .22 1-20 .22 3-28 .23 3-28 .23	.33 3-4 .60 3-3 .70 3-3 .71 3-3 .71 3-1 .88	.49 6-24 .49 6-24 .53 6-24 .53 6-24 .62 6-24 .66	
HOCTON,	D TIME											
cos	ELECTE	hours	-	7.0	1.4							
	FOR SI	12 1	Date	2-6	9-1	1-3	1-26	1-27	1-20	3-3	6-24	
XXIMUM S.	VOLUME	ours	Vol.	0.43	1.48	.38	1.15	.11	.22	09.	67.	
NUAL M	AXIMUM	6 hc	Date	9-2	9-1	1-3	1-26	1-27	1-20	3-4	6-24	
AND AN	Ŋ	nrs	Vol.	0.43	1.48	.18	•55	•05	.22	•33	67.	
ER HOUR		2 hours	Date	9-2	9-1	3-30	1-26	1-27	1-20	3-4	6-25	
NCHES P S FOR S		ur	Vol.	0.42	1.33	.12	•34	• 05	•20	.21	877.	
ES IN I N INCHE		1 hour	Date	9-2	6-1	3-30	1-26	1-28	1-20	7-4	6-25	
DISCHARG KUNOFF I	MUM	ARGE	Rate	2.05	2.26	.21	•56	•13	†7Z•	8,	2.64	
AL MAXIMUM I VOLUMES OF F	MAXIMUM	DISCHARGE	Date	9-2	9-1	7-11	1-26	8-9	1-20	3-4	6-25	
ANNUAL I		YEAR		9761 д	1950	1951	1952	1953	1954	1955	1956	No+pe.

		ys	Vol.	1.27 2.08 62.14 T	10.02.00	.36 .57 .04 .05	.18 T .01	
		8 days	Date	7-4 8-25 5-16 6-4 3-19	3-6 9-23 6-16 1-2 4-13	7-6 9-1 12-25 1-26 7-22	1-20 4-13 6-24	
109		days	Vol.	1.10 1.65 9 1.30 T	10° 44° 744° 10° 10° 10° 10° 10° 10° 10° 10° 10° 10	.30 .57 .04 .05	.18 .01	
WATERSHED 109		2 da	Date	7-8 8-25 5-22 6-4 3-19	3-6 9-23 6-16 1-2 4-13	7-6 9-1 12-25 1-26 7-22	1-20 4-13 6-24	
	INTERVAL	ay	Vol.	1.10 1.52 e 1.30 e .03	0. 14. 10. 10.	.30 .57 .00,	.01	
COSHOCTON, OHIO	TIME INT	l day	Date	7-8 8-27 5-22 6-4 3-19	3-6 9-23 6-16 1-2 4-14	7-6 9-1 12-25 1-26 7-22	1-20 4-13 6-24	
	ECTED I	urs	Vol.	1.10 1.31 e 1.30 T	10.01	.30 .04 .05	.18 T.00.	
	FOR SEL	12 hours	Date	7-8 8-27 5-22 6-4 3-19	3-6 9-23 6-16 1-2 4-14	7-6 9-1 12-25 1-26 7-22	1-20 4-13 6-24	nt.
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AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED	6 hours	Date	7-8 6-28 5-22 6-14 3-19	3-6 9-23 6-16 1-2 4-14	7-6 9-1 12-25 1-26 7-22	1-20 4-13 6-24	cords:
AND AN		hours	Vol.	0.52 1.09 e .88 T .02	74. 74. 10.	.30 .57 .03	.18 .01	Quality of records: excellent.
PER HOUR SELECTED		2 ho	Date	7-8 6-28 6-29 6-4 3-19	3-6 9-23 6-16 8-16 14-14	7-6 9-1 12-25 1-26 7-22	1-20 4-13 6-24	Qualit
NCHES F		ur	Vol.	0.52 .63 . 82 . 1	1 .28 .47	.30 .54 .01	.17 T01	mated.
ES IN I		1 hour	Date	7-8 6-28 6-29 6-4 3-19	3-6 9-23 6-16 8-16 4-14	7-6 9-1 1-15 1-26 7-22	1-20 4-13 6-24	Partially estimated.
DISCHARG NUNOFF I	AUM	RGE	Rate	2.08 3.55 1.34 0.3	1.18 1.11 0.02	2.20 1.54 .01	12°.12	Partia]
8-57 ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS.	MAXIMIM	DISCHARGE	Date	6-10 6-17 7-17 8-19	3-6 9-23 6-16 8-16 1-14	7-6 9-1 1-15 1-26	1-20 4-13 6-25	0
8-57 AINIUAL M VOLU		YEAR		1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	Notes:

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ed 103		days	Vol.	1.63	26 1.30 1.78 .34	2.63 2.63 1.889 1.86	.08 .75 .76				
Watershed 103		2 da	Date	7-8 8-26 7-7 5-14 5-30	4-7 6-16 6-6 4-13	1-27 8-31 1-14 1-26 1-17	12-28 3-3 2-25				
10	ERVAL	day	Vol.	1.63 1.70 .50 .41	.26 1.28 1.78 .34 .31	2.62 2.62 3.76 1.85	90.	arch 6.			
COSHOCTON, OHIO	TIME INTERVAL	IME INTE	IME INTE	Date	7-8 8-27 7-7 5-15 5-30	4-7 3-6 6-16 6-6 4-14	1-27 9-1 1-3 1-26	12-29 3-3 2-25	Station not in operation January through March		
	SELECTED T	urs	Vol.	1.63	35. 1.77. 1.59 1.50	31° 5 30° 1 42° 1 50° 1	90.	uary th			
i	FOR SELE	12 hours	Date	7-8 6-28 7-7 5-15 3-19	4-7 6-25 6-16 6-6 4-14	1-27 9-1 1-3 1-26	12-29 3-4 2-25	ion Jan			
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AND ANNUAL MAX.	AXIMUM.	6 hours	Date	7-8 6-28 7-7 5-15 3-19	4-7 6-23 6-16 6-6 4-14	1-27 9-1 1-3 1-26	12-29 3-4 2-25	not in			
AND AN TIME I	M	hours	Vol.	0.77 1.16 1.38 .38 .38	.18 .78 .14 .19	2.50 2.45 5.50 8.00 8.00	.04 .355 .566	Station			
PER HOUR SELECTED		2 hor	2 ho	2 hor	2 hor	Date	7-8 6-28 7-7 5-15 3-19	4-7 9-23 6-16 6-6 4-14	1-27 9-1 1-3 1-26	12-29 3-4 2-25	<u>п</u>
NCHES P. S FOR S.		ur	Vol.	0.76 88.59 87.99 73.99	.13 .59 1.32 1.6	.00 1.95 0.09 72;	.0.52 .98	excellent.			
ES IN I		1 hour	Date	7-8 6-18 7-7 5-15 3-19	4-7 6-23 6-16 6-6 14-14	1-27 9-1 1-4 1-26 1-17	12-29 3-4: 2-25				
ISCHARG UNOFF I	UM	RGE	Rate	2.59 4.72 .76 2.94 1.26	1.54 5.45 2.26 2.26	3.08 11.08 50.08	40. 56.	of recor			
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-8 7-23 7-7 6-20 5-31	4-7 6-16 6-6 4-14	1-27 9-1 3-30 1-26 1-17	12-29 3-4 2-25	Quality of records:			
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			days	Vol.	1.58 1.54 0.81	.21 .65 1.96 .18	3.44 3.44 .81 1.25 .05	.18 .49 .75	
			8 da	Date	7-4 8-26 6-29 5-14 5-30	1-3 5-16 6-16 6-2 8-13	1-26 8-30 1-3 1-19	10-10 3-1 2-18	
	d 110		days	Vol.	1.28 1.24 47 • .51	.13 .59 1.90 .18	.07 3.20 .81 1.16	.18	
	Watershed 110		2 da	Date	7-8 7-7 5-14 5-30	1-5 6-16 6-6 2-13	1-26 8-30 1-3 1-25 1-17	10-15 2-9 2-25	
		ERVAL	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL 6 hours 12 hours 1 day	Vol.	1,28 1,23 .47 .41	.13 .58 1.90 .18	3.20 3.20 1.15 04	.38	
		TWE INT		Date	7-8 4-19 7-7 5-14 5-30	1-5	1-27 9-1 1-3 1-26 1-17	10-15 2-9 2-25	
	COSHOC	ECTED T	urs	Vol.	1.28 1.02 1.02 1.02 1.02	.13 1.90 1.30 1.3	3.06 5.19 1.03 1.04	.18	1t.
		FOR SEL	12 hours	Date	7-8 4-19 7-7 6-20 3-19	1-5 9-23 6-16 6-6 14-14	1-27 9-1 1-3 1-26 1-17	10-15 3-4 2-25	excellent.
100	S	VOLUME	urs	Vol.	0.87 .89 .11 .25	.13 .57 1.85 .13	3.19 3.19 5.19 5.05 5.05	.18 .74 .71	ords: e
2 7 7 1 1 1	NIERVAL	AXIMUM	6 hours	Date	7-8 6-28 7-7 6-20 3-19	1-5 9-23 6-16 6-6 4-14	1-27 9-1 1-3 1-26 1-17	10-15 3-4 2-25	of recarry
4	FER HOUR AND ANNOAL MAA. SELECTED TIME INTERVALS	W	urs	Vol.	0 86 04 04 55 55	.09 .157.1 .11.	3.16 3.16 .10 .29		Partially estimated. Quality of records: excell Station not in operation January through March 9.
100	ELECTEL		2 hours	Date	7-8 6-28 7-7 6-20 3-19	1-5 9-23 6-16 6-6 4-14	7-21 9-1 1-3 1-26 1-17	10-15 3-4 2-25	ated. (
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	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERNALS MAXIMUM MAXIMUM		1 hour	Date	7-8 6-18 7-7 6-20 5-31	4-7 9-23 6-16 6-6 6-6 14-14	7-21 9-1 1-4 1-26 1-17	10-5 3-4 2-25	artially tation
		UM	Rate	2.33 2.47 2.64 2.82 1.13	86. 87.5 44.	20° 44.4 20° 531 20° 531	.531	9 A	
		DISCH	Date	6-10 7-23 7-7 6-20 5-31	4-7 6-16 6-16 1-4	7-21 7-28 1-4 1-26 1-17	8-5 11-16 2-25		
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2-22 9-2369 6-1679 6-628 2-1352	1-26 9-1 2-11 1-26 1-26 1-29 5-22	2-6 e . 44 2-25 . 75		
9-23 9-23 6-16 13-13	1-8 2-1 7-8 7-8	2-6		
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1-5 9-23 6-16 6-6	1-27 9-1 7-23 1-26 5-22	3-4		Quality of records: excellent.
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15.0 10.08 11.18 17.	2.00	98.		Partially estimated, Quality of records; excellen Station not in operation Jenuary through August 9.
1-5 6-16 6-6 6-6 6-6	1-27 7-11 7-11 5-22	3-4 2-25		e - Par p - Sta
1944 1945 1946 1946 1947	1949 1950 1951 1952 1953	1954 1955 1956		Notes:
	3.21 7-28 .45 7-28 .45 8-4 .51 8-4 .70 8-5 .06 1-5 .05 1-5 .09 1-5 .14 2-22 .20 2-22 1.08 9-23 .38 9-23 .69 9-23 .69 9-23 .69 9-23 1.148 6-16 .74 6-16 .76 6-16 .79 6-16 .19 6-16 .19 6-16 .10 6-16 .10 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 6-16 .21 .22 .21 .21 .22 .21 .21 .22 .21 .21	7-28 5.21 7-28 4.5 7-28 4.5 8-4 5.1 8-4 7.0 8-5 1-5 .06 1-5 .05 1-5 .09 1-5 .14 2-22 .20 2-22 1.08 9-23 3.8 9-23 6.3 9-23 6.9 9-23 6.9 9-23 6.9 9-23 6-16 1.18 6-16 .74 6-16 .76 6-16 .78 6-16 .79 6-16 1-14 .31 1-27 .05 1-27 .07 1-27 .12 1.19 9-1 1.27 .12 1-27 1-27 .07 1-27 .05 1-27 .07 1-27 .12 1.19 9-1 1.19 9-1 1.28 1-26 .33 1-26 .21 1-26 .22 1.26 .66 1-26 .66 1-26 1.14 1-26 1.26 5-22 .01 5-22 1.26 .21 1-28 5-22 1.26 .66 1-28 1.14 1-28 1.26	1-5 .06	1-5 0.6

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			days	Vol.	2.25 1.07 .80 .65	1.23 1.39 1.35	1.79 .65 2.21 .12	.54 .97		
			8 da	Date	8-26 6-29 12-25 8-3 8-16	9-18 6-16 6-6 4-11 1-23	1-2 6-22 1-22 1-17 3-28	2-25		
	118		days	ys	Vol.	1.59 .63 .07 .65	1.17 1.38 .77 .98	1.60 .35 2.07 .08	.50	
	WATERSHED 118		2 da	Date	8-26 7-7 14-9 8-3 8-23	9-23 6-16 8-16 4-13 1-27	9-1 9-13 1-26 1-17 3-28	2-25		
		ERVAL	day	Vol.	1.44 .63 .07 .59 .59	1.14 1.38 .77 .56	1.60 .35 1.77 .04	94.		
	COSHOCTON, OHIO	SELECTED TIME INTERVAL	1 d	Date	8-27 7-7 4-9 8-4 8-23	9-23 6-16 8-16 1-14 1-27	9-1 9-13 1-26 1-24 3-28	2-25		
	COSHOCT	ECTED T	urs	Vol.	0.95 63 145 59	1.14 1.38 .77 .50	1.60 1.40 .04 .05	917.		
		FOR SEL	12 hours	Date	6-28 7-7 6-14 8-4 8-23	9-23 6-16 8-16 1-14 1-27	9-1 9-13 1-26 1-24 3-28	2-2		
	S STANDIM	MAXIMUM VOLUME	urs	Vol.	0.95 -57 -0.72 -0.59	1.12	8.1 45. 40. 50.	.39		
	NUAL MA NTERVAL	AXIMUM	6 hours	Date	6-28 7-7 6-14 8-4 8-23	9-23 6-16 8-16 14-14 1-27	9-1 9-13 1-26 1-24 3-30	3-4		
	PER HOUR AND ANNUAL MAX SELECTED TIME INTERVALS	Ŋ	urs	Vol.	0.88 .57 .004 .59	.89 1.33 .66 .36	1.59 5.05 5.05 5.05 5.05	.20		
	ELECTEI		2 hours	Date	6-28 7-7 6-14 8-4 8-23	9-23 6-16 8-16 4-14 7-21	9-1 7-23 1-26 1-24 3-30	2-4-25	lent.	
	NOTES F		ur	Vol.	0.84 .56 .03 .03	1.28 1.28 .65 .89	1.30 .30 .02 .02	41. 04.	excel:	
	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		1 hour	Date	6-18 7-7 6-14 8-4 8-23	9-23 6-16 8-16 4-14 7-21	9-1 7-23 1-26 5-22 12-29	2-25	ecords	
		AUM	RGE	Rate	2.84 .97 .04 .73	1.23 2.23 5.53 5.53 5.53	1.39	.19	Quality of records; excellent.	
		MAXIMUM	DISCHARGE	Date	6-18 7-7 6-14 8-4 8-23	9-23 6-16 8-16 4-14 7-21	9-1 7-11 1-26 5-22 12-29	3-t 2-25	Qual	
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		ys	Vol.	0.36 0.50 2.13 .45	1.57	1.35 3.08 5.23	.16 .98 1.34	
		8 days	Date	10-26 2-9 6-29 12-29 3-16	3-6 3-2 6-16 1-15 2-13	1-23 12-2 1-3 1-19	3-23 3-1 2-18	
TIT COM		days	Vol.	0.36 1.12 1.25 1.55	.57 1.28 1.54 .39	.60 1.06 .85 2.61	.16 .76 1.28	
WATERSHED		2 da	Date	10-26 12-28 6-29 12-29 3-19	3-6 3-5 6-16 1-20 2-13	1-26 9-1 1-3 1-25 1-17	3-29 2-19 2-25	
01	ERVAL	lay	Vol.	0.27 6.46 9.46 9.08	.57 1.26 1.54 .39	.37 1.06 .72 2.60	.12	
COSHOCTON, OHIO	TIME INTERVAL	1 day	Date	10-27 12-28 5-22 12-29 3-19	3-6 3-6 6-16 1-20 2-13	1-27 9-1 1-3 1-26 1-17	12-29 2-19 2-25	
COSHOC	ECTED I	urs	Vol.	0 64 63 63 63	1.23 1.54 1.19	.37 1.06 .42 1.95	.12 .74 1.28	
	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	10-27 6-28 5-22 12-29 3-19	3-6 9-23 6-16 1-30 2-13	1-27 9-1 1-3 1-26 1-17	12-29 2-19 2-25	
XIMUM	VOLUME	urs	Vol.	0.20 24. 90. 15.		,34 1,06 1,20 1,20	.12 .74 1.24	sellent ist 9.
AND ANNUAL MAX. TIME INTERVALS	AXIMUM	6 hours	Date	10-27 6-28 5-22 3-16 3-19	3-6 9-23 6-16 1-30 2-13	1-27 9-1 1-3 1-26 1-26	12-29 2-19 2-25	records: excell
AND AN TIME I	×	urs	Vol.	0.16 0.16 0.15 0.15	.25 .98 1.18 .25	.16 1.06 1.7 .55	.355	of recor
PER HOUR AND ANNUAL MAXIMUM SELECTED TIME INTERVALS		2 hours	Date	10-27 6-28 6-29 7-16 3-19	3-6 9-23 6-16 1-30 2-13	1-27 9-1 2-21 1-26 1-17	12-29 2-19 2-25	Quality of records: excellent on January through August 9.
		ur	Vol.	0.16 .37 .68 .10	.68 .68 .11.1 .28	.10 .95 .70	90° 12° 14'	ted. Qu
		1 hour	Date	10-27 6-18 6-29 3-16 3-19	4-7 9-23 6-16 1-30 2-13	1-27 9-1 2-21 1-26 1-17	12-23 3-4 2-25	estima ot in o
DISCHARGES IN INCHES RUNOFF IN IMCHES FOR	NUM	ARGE	Rate	0.57 1.50 1.90 1.3	1.17 1.20 1.20 1.20 1.20 1.41	41. 12.1 16.1 18. 90.	41.	Partially estimated. Quality of Station not in operation January
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN	MAXIMUM	DISCHARGE	Date	10-26 7-23 6-29 3-16 3-19	4-8 9-23 6-16 6-6 4-14	1-27 9-1 2-21 1-26 1-17	12-29 3-4 2-25	9 - Pa
ANNUAL I		YEAR		p 1939 1940 1941 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	Notes:
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			days	Vol.	6 1-44- 550- 790- 700- 700-	1.18	1.39	.08	
			8 de	Date	7-4 6-28 8-15 3-9 3-16	8-16 3-3 6-16 6-2 4-11	1-23 9-1 2-15 1-25 1-24	3-30 3-21 7-20	
	D 121		days	Vol.	6 1.20 -44 -62 -11	1.00	1.23 1.39 .04 .83	.01 .08 .08 .46	
	WATERSHED 121		2 da	Date	7-8 6-28 7-7 3-16 3-19	8-23 3-5 6-16 1-30 4-14	1-26 9-1 1-3 1-26 1-17	7-28	
		ERVAL	day	Vol.	6 1.20 - 44 - 62 - 11	1.00	1.39 0.04 .075	.07 .07 .46	
	COSHOCTON, OHIO	IME INI	1 d	Date	7-8 6-28 7-7 3-16 3-19	8-23 3-6 6-16 1-30 7-27	1-4 9-1 1-3 1-26	3-30 7-26 7-26	
	COSHOC	ECTED T	hours	Vol.	6 1.10 - 444 - 62 - 11	1.00 .38 .56 .41.	1.39 .04 .58 .01	.0. 90. 91.	
		FOR SEL	12 ho	Date	7-8 6-28 7-7 3-16 3-19	8-23 9-23 6-16 1-30 7-27	1-4 9-1 1-14 1-26 1-17	3-30 3-21 7-26	19.
	XIMUM	VOLUME	urs	Vol.	96.0 9 44. 11.	0.1 85. 47. 47.	1.39	.00 .06 .41	ellent.
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	7-8 6-28 8-15 3-16	8-23 9-23 6-16 1-30 7-27	1-4 9-1 1-14 7-3 1-17	3-30 3-21 7-27	ds: exce
	AND AN	M	hours	Vol.	45.0 14. 88. 11.	1.00	01.10	т • 00. Г. 1.	f recor January
	ER HOUR		S ho	Date	7-20 6-28 8-15 3-16 3-19	8-23 9-23 6-16 8-16 7-27	1-4 9-1 1-14 7-3 1-17	3-30 3-21 7-27	ality o
	NCHES E		ını	Vol.	0 88 87 90 90	1.00 .020 .15 .15	.07 1.32 .01 .03	T .02 .40	ted. Qu
	LES IN I		l hour	Date	7-20 6-18 8-15 3-16 5-31	8-23 9-23 6-16 8-16 7-27	1-4 9-1 1-14 7-3 1-17	3-30 3-21 7-27	estims ot in o
	DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	MUM	ARGE	Rate	1.22 1.25 2.47 .13	7.82 .59 1.58 .61	2.62 2.62 0.05 2.08 .01	T • 03 1-45	Partially estimated. Quality of records: excellent. Station not in operation from January through March 19.
	ANTUAL MAXIMUM DISCHARGES IN INCHES FER HOUR VOLUMES OF RUNOFF IN INCHES FOR SELECTED	MAXIMUM	DISCHARGE	Date	7-20 6-18 8-15 3-16 5-31	8-23 9-23 6-16 8-16 7-27	7-21 9-1 6-22 7-16 1-17	3-3- 7-2-21	6 U
8-57	ANTUAL I		YEAR		1939 1940 1941 1942 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	lotes:

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			Vol.	0.25 .27 .48 .12	882	1.09	.06 .114 1.23	
		8 days	Date V	7-4 8-27 7-1 12-25 5-20	8-16 3-17 6-16 8-16 6-24	7-6 9-1 12-21 6-29 1-17	3-8 3-1 7-20	
WATERSHED 106		days	Vol.	0.24 .18 .47 .04	.94 1.27 .53 .26	1.39 1.39 1.6 1.6 0.08	.06.	
		2 de	2 da	Date	7-8 8-29 7-7 5-14 5-30	8-23 9-23 6-16 8-16 6-19	1-4 9-1 12-21 7-3 1-17	7-28
	ERVAL	ay	Vol.	0.24 .18 .47 .03	.94 1.27 .53 .26 .60	1.39 .16 .76 .08	770° 11° 98°	
COSHOCTON, OHIO	TIME INTERVAL	l day	Date	7-8 8-29 7-7 5-15	8-23 9-23 6-16 8-16 6-19	7-6 9-1 12-21 7-3 1-17	3-28 7-3 7-26	
COSHO	ECTED T	urs	Vol.	0.24 .17 .47 .03	1.27 1.27 .53 .86	1.39	.04 .11 .86	
	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	7-8 8-30 7-7 5-15	8-23 9-23 6-16 8-16 6-19	7-6 9-1 12-21 7-3 1-17	3-28 3-3 7-26	• t
XIMUM	VOLUME	urs	Vol.	0.17 16. 44. 50.	10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1	07.1 1.39 1.60	.1070	xcellen rch 24.
AND ANNUAL MAX. TIME INTERVALS	AXIMUM .	6 hours	Date	7-8 8-30 7-7 5-15	8-23 9-23 6-16 8-16	7-6 9-1 12-21 7-3	3-28 3-4 7-27	ords: e. ough Ma
AND AN	M	2 hours	Vol:	71.0 90. 44. 50. 80.	16.84.55 84.85 84.85	1.38	0.00 0.00 0.00 0.00	Quality of records: excellent.
PER HOUR SELECTED			Date	7-8 111-26 7-7 3-16 5-30	8-23 9-23 6-16 8-16 7-27	7-6 9-1 12-21 7-3 5-7	2-28 3-4 7-27	Quality on Janu
NCHES P		r.	Vol.	0.06 0.06 0.02 0.00	48.4.5.4	1.26 1.26 1.04 1.55	00. 40. 88	ated. operati
ES IN I		1 hour	Date	7-8 8-30 7-7 3-16 5-30	8-23 9-23 6-16 8-16 7-27	7-6 9-1 6-22 7-3	2-28 3-14 7-27	y estim not in
DISCHARG KUNOFF I	MOM	ARGE	Rate	0.44 0.12 1.40 1.40 1.40	7.63 2.21 1.54 .85 3.90	2.84 2.61 3.50 3.50	.00 .06 .06 .06	Partially estimated. Quality of records: excellen Station not in operation January through March 21,
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-8 7-23 8-15 7-10 5-31	8-23 9-23 6-16 8-16 6-19	7-6 9-1 6-22 7-3 5-22	12-29 11-16 7-27	φ P4
ANNUAL		YEAR		p 1939 1940 1941 1942 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1952	1954 1955 1956	Notes:

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		days	Vol.	1.24 2.17 2.17 .03 .03 .41	1.26 64. .79	2.08 2.08 .43 1.72	0 25. 79	
		8 de	Date	10-25 8-25 7-16 5-30 8-23 9-18	6-16 8-16 2-13	7-21 9-1 2-7 1-26	2-25	
TED 188		days	Vol.	1.24 1.48 1.48 1.44 .03 .03 .41	3.66.	2.08 .40 1.72	. 25 . 79	
WATERSHED 188		2 da	Date	10-25 8-26 7-7 3-16 5-30 8-23	6-16 8-16 2-13	7-21 9-1 2-11 1-26	3-4 2-35	
HIO	INTERVAL	lay	Vol.	28.0 19.1 14.0 14.0 14.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15	1.26 64. 93.	2.08 2.08 .40 1.70	. 25 . 79	
COSHOCTON, OHIO		l day	Date	10-27 8-27 7-7 5-16 5-30 8-23	6-16 8-16 2-13	7-21 9-1 2-11 1-26	3-4	
OBSO0	ECTED T	urs	Vol.	0.82 1.09 1.44 0.03 .21 .21	1.26	2.08 -27 -27 1.53	. 25 • 79	
	FOR SELECTED TIME	12 hours	Date	10-27 8-27 7-7 3-16 5-30 8-23	6-16 8-16 2-13	7-21 9-1 2-11 1-26	3-4 2-25	
XIMUM	VOLUME	urs	Vol.	0.75 96 94 144 0.03 12.	1.23	2.08 .15 .89	.24 .78	r,
NUAL MA	MAXIMUM VOLUME	6 hours	Date	10-27 6-28 7-7 3-16 5-30 8-23	6-16 8-16 2-13	7-21 9-1 2-11 1-26	3-4 2-25	h July
AND AN	M	hours	Vol.	0.57 92. 144. 0.03 1.03	1.21	2.07 2.09 .45	0 114 .52	throug
IN INCHES PER HOUR AND ANNUAL MAXIMUM MOHES FOR SELECTED TIME INTERVALS		2 ho	Date	10-27 6-28 7-7 3-16 5-30 8-23	6-16 8-16 4-14	7-21 9-1 1-14 1-26	3-4 2-25	lent. January
NOTHES F		ur	Vol.	0.45 .45 .02 .80 .83	1.18	1.84 1.84 .06 .28	0 •10 •33	s excelration
		1 hour	Date	10-27 6-18 7-7 3-16 5-31 8-23	6-16 8-16 4-14	7-21 9-1 1-14 1-26	3-4 2-25	records
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	1.67 2.41 1.19 .04 .57 3.06	13.67	2.51 .05 .43	0 41. . 61	Quality of records: excellent. Station not in operation January through July
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNGEF IN I	MAXIMUM	DISCHARGE	Date	10-26 6-18 8-15 7-10 5-31 8-23	6-16 8-16 4-14	7-21 9-1 1-14 1-26	2-4- 23-23	Qua p - Sta
ANNUAL 1 VOL		YEAR		P 1939 1940 1941 1942 1943 1944	1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes:
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		8 days	Vol.	0.12	.95	.98	•36	• 39	•30	1.18	•80	.25	
		8	Date	9-56	3-2	5-17	12-25	1-27	3-6	9-23	91-9	9-9	
124		days	Vol.	0.12	•55	٠71	.25	•30	•30	1.12	.80	.25	t 1939
WATERSHED 124		2 de	Date	6-26	4-19	5-22	12-29	8=3	3-6	9-23	91-9	9-9	1 Augus
	INTERVAL	day	Vol.	0.08	•55	.71	.23	8.	•30	1.10	.80	.25	through
ON, OHIO	TIME INT	1 d	Date	12-9	61-17	5-22	12-29	9-7	3-6	9-23	91-9	9-9	January
COSHOCTON,		urs	Vol.	90*0	•39	.71	.14	•26	8.	1.10	.80	•19	ration
	FOR SELECTED	12 hours	Date	6-27	4-19	5-25	12-30	8-7	3-6	9-23	91-9	9-9	of records: good. in operation January through June 1947 and not in operation January through August 1939
XIMUM	VOLÚME	urs	Vol.	90.08	.37	.71	.07	.21	.20	1.09	92.	•19	and not
NUAL MA	MAXIMUM VOLÚME	6 hours	Date	6-27	4-19	5-22	5-15	8-4	3-6	9-23	91-9	9-9	e 1947
AND AN	M	urs	Vol.	90°0	8	•61	90°	•16	•12	88	.71	.17	ugh Jun
ER HOUR		2 hours	Date	6-27	6-18	5-22	7-9	3-19	7-47	9-23	91-9	9-9	rry thro
NCHES P S FOR S		ur	Vol.	90*0	28	• 58	90°	.11	80°	•59	69•	.15	good. n Janus
ES IN I		1 hour	Date	6-27	6-18	5-25	† - 9	8-4	7-47	9-23	91-9	9-9	ecords:
DISCHARG RUNOFF I	MUM	ARGE	Rate	0.17	98°	1.32	.25	•39	•10	1.43	1.54	.27	Quality of records: good. Station in operation Janu
MAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS.	MAXIMUM	DISCHARGE	Date	10-26	6-18	5-55	7-9	7-28	7-47	9-23	91-9	9-9	Quality p - Station
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEY IN INCHES FOR SELECTED TIME INTERVALS		YEAR		р 1939	1940	1461	24/61	1943	1944	1945	9761	2 [†] 761 ₫	Notes:

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		8 days	Date	10-25 7-26 6-29 5-14 5-25	1-3 8-20 6-16 8-16 2-13	1-23 9-1 2-11 1-19 5-22	7-20	
185		/S	Vol.	1.28 1.22 .57 .57	1.23 1.43 1.43 -24 -39	2.32 6.30 T	E 0 C C C C C C C C C C C C C C C C C C C	
WATERSHED 185		2 days	Date.	10-25 7-26 7-7 5-14 5-30	1-3 8-23 6-16 8-16 2-13	7-21 9-1 2-12 1-26 5-22	2-9 2-8 7-86	
	INTERVAL	day	Vol.	1.02	.10 1.18 1.43 .24	2.32 8.18 1.59	. 19 . 52	
COSHOCTON, OHIO	TIME INTE	1 de	Date	10-26 7-27 7-7 5-15 5-30	1-5 8-23 6-16 8-16 2-13	7-21 9-1 2-12 1-26 5-22	3-9 7-26 7-26	
COSHOC	SELECTED TI	ırs	Vol.	0.82 1.06 .57 .29	.10 1.18 1.45 1.24 .24	2.32 e .09	1.16 .52	
	FOR SELE	12 hours	Date	10-27 7-27 7-7 5-15 5-31	1-5 8-23 6-16 8-16 2-13	7-21 9-1 2-12 1-26 5-22	7-29	
KIIMUM	OLUME I	ırs	Vol.	0.74 .55 .39	.09 1.18 1.40 .24 .32	2.32 9.05 1.31	1 •15 •17	٠,٠
NUAL MAS	MAXIMUM VOLUME	6 hours	Date	10-27 7-27 7-7 5-15 5-31	1-5 8-23 6-16 8-16 2-13	7-21 9-1 2-12 1-26 5-22	3-14	s: good
AND AND TIME II	/M	urs	Vol.	0.55 .75 .36	.07 .77 1.38 .24	2.31 .03 .17	. • • • • • • • • • • • • • • • • • • •	record
ER HOUR		2 hours	Date	10-27 7-27 7-7 7-10 5-31	1-5 8-23 6-16 8-16 7-27	7-21 9-1 2-21 1-26 5-22	3-47-27	Quality of records: good.
NCHES PI S FOR SI		ır	Vol.	0 68 77 88 80 80 80 80 80 80 80 80 80 80 80 80	.04 1.36 1.36	.17 1.91 .02 .12	1.06.	d. Qua
ES IN I		1 hour	Date	10-27 6-18 7-7 7-10 5-31	1-5 8-23 6-16 8-16 7-27	7-21 9-1 2-21 1-26 5-22	3-4	stimate in ope
DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX RUNGF IN INCHES FOR SELECTED TIME INTERVALS	MOW.	RGE	Rate		3.35	2,65 2,65 1,38	1.08 1.18	Partially estimated. Quality of records: good. Station not in operation January through August
AL MAXIMUM I VOLUMES OF F	MAXIMUM	DISCHARGE	Date	10-26 6-18 8-15 7-10 5-31	4-7 8-23 6-16 8-16 7-27	7-21 9-1 7-3 5-22	3-1 7-27	6 - Par p - Sta
ANDUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	otes:

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			days	Vol.	1.48 2.45 2.36 2.35 2.35	1.52 69 2.09 1.75 2.06	2.83 2.83 .05 .13	1.01	
			8 da	Date	6-30 12-28 3-16 3-6 3-19	6-16 6-6 4-11 1-24 1-5	2-15 1-26 1-17 3-30 3-4	2-25	
	187		ys	Vol.	0.92	1.26	.68 2.11 .04 .08	£8•	
	WATERSHED 187		2 days	Date	7-7 12-30 12-30 3-6 3-21	6-16 6-6 4-13 1-26 9-1	1-3 1-26 1-17 3-30 3-4	2-25	
		ERVAL	day	Vol.	0.85 .64 .70 .31	1.09	1.25 1.25 0.04 0.05 1.55	69.	
	COSHOCTON, OHIO	IME INT	1 d	Date	7-7 12-30 5-30 3-6 3-21	6-16 6-6 4-14 1-28 9-1	1-4 1-26 1-17 3-30 3-4	2-25	
	COSIDO	ECTED T	urs	Vol.	0.83 141 .25 .23	.97 .14. .48 .45.	.31 1.13 .04 .03	. 63	
		FOR SEL	12 hours	Date	7-7 112-30 5-31 3-6 9-23	6-16 6-6 4-14 7-21 9-1	1-4 1-26 1-17 3-30 3-4	2-25	ellent.
	XIMUM	VOLUME	urs	Vol.	0.64 .21 .35 .16	.85 .13 .23 .44 .1.57	71. 50. 50. 69.	.57	ds: exce
	NUAL MA NTERVAL	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	12-30 5-31 3-6 9-23	6-16 6-6 4-14 7-21 9-1	1-4 1-26 1-17 3-9 3-4	2-25	f recor
	PER HOUR AND ANNUAL MAXIMUM SELECTED TIME INTERVALS	M	urs	Vol.	49.0 80. 80. 80.	.76 .08 .22 .23	.10 .02 .01 .01	55.	- Partially estimated. Quality of records: excellent.
	ER HOUR ELECTED		2 hours	Date	7-7 12-30 5-31 4-7 9-23	6-16 6-7 4-14 7-21 9-1	1-4 1-26 1-17 3-9 3-4	2-25	ed. Qu
	IN INCHES P		nr	Vol.	0.61 .05 .05 .05	.07	.07 .017 .03	22.	estimat
	ES IN I		1 hour	Date	12-30 5-31 4-7 9-23	6-16 8-16 4-14 7-21 9-1	1-4 1-26 1-17 3-9 3-4	2-25	tially
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	#UM	RGE	Rate	1.1,2 .05 .79 .10	1.40 .22 .22 .96 .96	.10 .27 .02 T	• 39	e - Par
	AUNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	8-15 12-30 5-31 8-23 9-23	6-16 8-16 4-14 7-21 9-1	6-22 1-26 8-9 3-4	2-25	
6	NINUAL M VOLUI		YEAR		1941 1942 1943 1944		1951 1952 1953 1954 1955	1956	Notes:
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WATERSHED 192	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ys	Vol.	92. 92. 97. 94.	1.02 2.14 1.1. 1.1. 7.8	2.9 2.13 8.11 1.10	78	
		2 days 8 days	Date	3-2 6-29 12-25 7-25 4-7	3-1 6-13 1-14 4-11 1-23	1-6-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	3-1 2-25	
			Vol.	0.97 573 565 565	2,3	2.04 .68 1.28 .05	.72	
			Date	3-2 17-7 18-29 1-7	9-23 6-16 1-20 4-3 1-27	9-1 1-3 1-26 1-17 3-29	2-25	
		l day	Vol.	0.97	2.05 2.05 2.05 2.05 1.05	2.04 .57 .92 .05	th.	
ON, OHIC			Date	4-7-210	9-23 6-16 1-20 4-4 1-27	9-1 1-3 1-26 1-17 12-29	2-25	
COSHOCTON, OHIO		rs	Vol.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.04 2.04 2.09 2.09	2.04 14. 77. 0.05	£.00	
		12 hours	Date	3-5 7-7 6-7 4-7 7-70 1-7	9-23 6-16 1-30 4-4 1-27	9-1 1-3 1-26 1-17 12-29	3-425	
IMUM	MAXIMUM VOLUME F	rs	Vol.	0.78 1.75 2.06 2.06	.74 1.97 .16 .20 .12	20.2 73. 740. 70. 70.	• 61	ellent.
AND ANNUAL MAXIMUM TIME INTERVALS		6 hours	Date	7-2-14	9-23 6-16 1-30 1-27	9-1 1-3 1-26 1-17 12-29	3-1, 2-25	ds: exc
AND AND TIME IN		rs.	Vol.	64.44.11.	44. 1.89 1.51. 51. 60.	2.02 1.13 2.05 2.05	.33	Quality of records; excellent.
PER HOUR SELECTED		2 hours	Date	6-18 7-7 6-22 5-31 4-7	9-23 6-16 8-16 4-14 1-27	9-1 2-20 1-26 1-17 12-29	3-4	ality o
IN INCHES PI		អួ	Vol.	0.0 0.1 1.1 1.0 8.0	1.85 1.85 1.15 .10	1.66 .13 .02 .02	.30	
ES IN II		1 hour	Date	6-18 7-7 6-22 5-31 4-7	9-23 6-16 8-16 4-14 3-31	9-1 2-20 1-26 1-17 12-29	7-27	estimat
ISCHARGI	LI MOI	RGE	Rate	1.6.1 4.6. 61. 7.7.	4.60 4.60 87. 1.5	2.34 .08 .18 .03	.53	Partially estimated.
ANNUAL MAXIMUM DISCHARGES IN INCHES FOR SELECTED VOLUMES OF RUNOFF IN INCHES FOR SELECTED	MAXIMUM	DISCHA	Date	6-18 7-7 6-22 5-31 4-7	9-23 6-16 8-16 4-14 3-31	9-1 3-30 1-26 12-29	3-1 7-27	- 8d - 9
AINIUAL N VOLU		YEAR		1900 1901 1912 1943 1943	1945 1946 1946 1948 1949	1950 1951 1952 1953	1955 1956	Notes:

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COSHOCTON, OHIO WATERSHED 172		2 days 8 days	Vol.	2.01 2.45 2.07 1.82 2.21	1.65 3.03 1.92 2.00	1.59 1.48 2.16 3.14 .86	1.52	
			Date	4-15 4-16 5-17 3-11 3-16	4-7 3-2 6-16 5-21 4-11	1-23 2-13 2-12 1-26 5-7	3-28 3-1-2 2-23	
			Vol.	0.90 1.58 1.11 1.03	.84 1.95 1.36 1.50	1.11 1.73 2.34 .54	. 23 . 89 . 95	
			Date	7-8 4-19 5-22 12-29 5-30	3-6 3-6 6-16 6-6 4-13	1-27 9-1 2-13 1-26 5-7	3-28 3-4 2-25	
	ERVAL	l day	Vol.	0.80 1.36 1.00 .69	1.54 1.54 1.34 .73	1.10 1.10 1.95 1.95	.13	
	IME INT		Date	7-8 4-19 5-22 12-29 5-30	3-6 3-6 6-16 6-6 4-13	1-27 9-1 2-13 1-26 5-7	3-28 3-4 2-25	
	SELECTED TIME INTERVAL	hours	Vol.	89°0 476° 98° 69°	1.11	1.09 1.09 1.148 3.38	.10	
	OR SEL	12 ho	Date	7-8 4-19 5-22 3-16 5-30	3-6 3-6 6-16 6-6 4-14	1-27 9-1 2-13 1-26 5-7	4-16 3-4 2-25	
8-57 Revised 4-79 ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED THÆ INTERVALS	OLUME 1	hours	Vol.	0.56 .62 .74 .30	.33 .38 .38 .41	1.07	900.	
	MAXIMUM VOLUME FOR	6 hou	Date	7-8 6-28 5-22 3-16 5-30	3-6 5-16 6-16 6-6 14-14	1-27 9-1 3-30 1-26 5-7	4-16 3-4 2-25	ugh 29.
	M	hours	Vol.	0.30 -45 -20 -20 -27	34. 85. 85. 15.	.12	.02 .39	1 thre
		2 hor	Date	7-8 6-28 5-22 3-16 5-30	4-8 9-23 6-16 6-6 4-14	1-27 9-1 3-30 1-26 5-7	4-16 3-4 2-25	January
		1 hour	Vol.	8.0 8.2 7.5 7.5 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	.10 .21 .47 .18	07 87 80 80 80	.111.25	: good.
			Date	7-8 6-28 5-22 3-16 5-30	14-8 3-21 6-16 6-6 14-14	1-27 9-1 3-30 1-26 5-7	4-16 3-4 2-25	records in ope
	MD	RGE	Rate	0 47. 72. 8.	.11. .25. .42. .21.	1.57 1.57 0.07	.01.	Quality of records: good. Station not in operation January 1 through 29.
	MAXIMUM	DISCHARGE		7-8 6-28 5-22 3-16 5-30	4-8 6-16 6-16 14-14	1-27 9-1 3-30 1-26 5-7	1-16 3-4 2-25	Qua.
ANNUAL M		YEAR		p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1947	1949 1950 1951 1952 1953	1954 1955 1956	Notes:

		tys	Vol.	2.10 1.17 1.23 1.45	2.50 1.60 1.16 1.76 0 1.06	10.04 10.38 10.38 20.49 20.20 20.20	1,22	
		8 de	Date	3-1 5-16 12-28 5-30 4-6	3-2 6-16 5-21 4-11 1-24	9-1 2-12 1-26 5-7 3-28	2-25 2-25	
D 169		ys	Vol.	1.51 .79 .73 1.15	1.73 1.36 1.05 1.05	2.04 .70 1.89 .15	1,09	
ATERSHE		2 da	Date	3-2 12-82 5-30 4-6	3-6 6-16 6-6 2-13 1-26	9-1 1-3 1-26 5-7 3-29	3-4 2-25	
	ERVAL	ay	Vol.	0.87 .72 .39 1.08	1.49 1.33 1.44 0.61	2.04 .57 1.54 .12 .08	.61	
TON, OH	IME INI	1 d	Date	3-3 5-22 12-30 5-30 4-6	3-6 6-16 5-25 2-13 1-27	9-1 1-3 1-26 5-7 10-15	3-4 2-25	
COSHOC	ECTED I	urs	Vol.	9.78 .568 .75. .77. .79.	1.22 1.31 .45 .45	2.04 .30 1.27 .10	.55	
	FOR SEL	12 ho	Date	6-28 5-22 3-16 5-30 4-6	9-23 6-16 8-16 4-14 1-27	9-1 1-3 1-26 5-7 10-15	2-23	
XIMUM	VOLUME	urs	Vol.	0.75 .63 .70 .78	1.20 1.18 5.39 1.41	2.03	.95	
NUAL MA NTERVAL	AXIMUM	6 ho	Date	5-28 3-16 5-30 8-23	9-23 6-16 8-16 4-14 7-21	9-1 1-3 1-26 5-7 10-15	3-4	ls: good.
AND AN TIME I	M	urs	Vol.	0.05. 25. 10. 47. 88.	1.02 1.02 2.03 2.08 2.08	2.00	523.	Quality of records:
ER HOUR		2 ho	Date	6-28 8-15 3-16 5-30 8-23	9-23 6-16 8-16 4-14 7-21	9-1 3-30 1-26 5-7 10-15	3-ti 7-27	ality of
		ur	Vol.	0.31 .13 .13 .57	8.65.45.15.15.15.15.15.15.15.15.15.15.15.15.15	1.70	21°.	ł
		1 ho	Date	6-28 3-15 5-30 8-23	9-23 6-16 8-16 4-14 7-21	9-1 3-30 1-26 5-22 12-29	3-4 7-27	estimate
DISCHARG RUNOFF I	MUM	\RGE	Rate	0.67 	2.08	2.10	.93	Partially estimated.
MAXIMUM:	MAXII	DISCH	Date	6-28 8-15 7-10 5-30 8-23	9-23 6-16 8-16 1-14 7-21	9-1 3-30 1-26 5-22 12-29	3-4 7-27	e - Par
ANNUAL		YEAR		1940 1941 1942 1943 1944	1945 1946 1947 1948 1948	1950 1951 1952 1953 1954	1955 1956	Notes:
	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM COSHOCTON, OHIO WAIERSHED 169 VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEY IN INCHES FOR SELECTED TIME INTERVALS MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	IN INCHES FOR SELECTED TIME INVERVALS INCHES FOR SELECTED TIME INVERVALS MAXIMUM VOLUME FOR SELECTED TIME INTERVAL 1 hour 2 hours 6 hours 12 hours 1 day 2 days	AL MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INVERVALS. VOLUMES OF RUNGEY IN INCHES FOR SELECTED TIME INVERVALS. MAXIMUM DISCHARGE I hour 2 hours 6 hours 12 hours 1 day 2 days 8 day Babe Date Nol. Date Vol. Date	MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INTERVALS NAXIMUM DISCHARGE IN INCHES FOR SELECTED TIME INTERVALS 1 Asy 2 days 8 days	MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INTERVALS NAXIMUM DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 days	MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INTERVALE MAXIMUM VOLUME FOR SELECTED TIME INTERVALE MAXIMUM VOLUME FOR SELECTED TIME INTERVALE Law L	MAXIMUM DISCHAGES IN INCHES PER HOUR AND AUMLI MAXIMUM MAXIM

26.27

		ys	Vol.	1.78 1.19 e 1.98 1.53	8.54 1.13 8.24 8.2.24 1.51	2.08 1.29 2.72 7.5. 6.46	1.28	
		8 de	Date	12-28 5-29 14-7	3-2 6-16 5-21 4-11 1-23	1-3 2-12 1-20 1-17 3-28	3-1 2-22	
771 as		ys	Vol.	1.34 .76 .1.04 1.16	1.56 e1.34 .76 e1.05	1.68 2.00 30 .23	.70 1.11	
ATERSHE		2 da	Date	4-19 5-22 12-29 5-30 3-6	3-6 6-16 6-6 4-11 1-26	9-1 1-3 1-26 1-17 3-28	3-4	
	ERVAL	ay	Vol.	1.02 .70 .72 .65	1.14	1.66 1.61 1.61 7.27 51.	.54	
TON, OH	IME INT	1 d	Date	4-19 5-22 12-30 5-30 3-6	3-6 6-16 6-6 4-14 1-27	9-1 1-3 1-26 1-17 3-29	3-th 2-25	
COSHOC	ECTED T	urs	Vol.	0.81 .68 .37 .53	90°. 1.12 54. 54. 57.	1.64	.93	
	FOR SEL	12 ho	Date	6-28 5-22 12-30 5-30	9-23 6-16 6-6 4-14 1-27	9-1 1-3 1-26 1-17 3-30	3-4 2-25	
X DWUM S	VOLUME	urs	Vol.	85.0 42.0 42.24.	.84 .00 .39 .33	1.63 .18 .70 .18	.37	ellent.
NUAL MA	AXIMIM A	6 ho	Date	5-88 5-88 3-16 3-6	9-23 6-16 6-6 1-14 1-27	9-1 1-2 1-26 1-17 3-30	2-4 2-25	ds: exc
AND AN TIME I	M	urs	Vol.	79.0 14. 88. 91.		1.55	.19	Quality of records: excellent.
ER HOUR ELECTED		S ho	Date	5-7-7-88 7-7-7-88 7-5-7-88	9-23 6-16 6-6 4-14 1-27	7-7-8	3-4 2-25	ality o
NCHES P		ur	Vol.	0 55. 51. 51.	• 745 275 000 060	1.27 .06 .21 .05	.31	1
ES IN I		l ho	Date	-7777 -7758 -7868	9-23 6-16 6-6 4-14 1-27	3-30 1-86 7-7 7-30	2-25 2-25	estimat
DISCHARG	MUM	RGE	Rate	0.76 .59 .16 .37	.72 1.10 1.43 .19	2.05 2.05 2.05 2.05 2.05	.16 .46	- Partially estimated.
AXIMUM I	MAXIN	DISCH	Date	6-18 5-22 3-16 5-31 4-8	9-23 6-16 6-6 1-14 7-6	3-30 1-26 5-7 3-30	3-4	e - Pa
ANNUAL N		YEAR		1940 1942 1942 1943	1945 1946 1947 1948 1949	1950 1951 1952 1953 1954	1955	Notes:
	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS COSHOCTON, OHIO WAIERSHED 177	COSHOCTON, OHIO E FOR SELECTED TIME INTERVAL	COSHOCTON, OHIO WATERSHED 177 E FOR SELECTED TIME INTERVAL 12 hours 1 day 2 days	COSHOCTON, OHIO WATERSHED 177 E FOR SELECTED TIME INTERVAL 2 days 8 day 12 hours 1 day 2 days 8 day 2 date Vol. Date Vol. Date Vol. Date Date Vol. Date Date Vol. Date V	E FOR SELECTED TIME INVERTABLE 1.2 hours 1.2 hours 1.4 5-22 1.6 -28 0.81 1.2-30 1.2-30 1.2-30 1.3-30	E FOR SELECTED TIME INTERNAL 1 2 hours	E FOR SELECTED TIME INTERNAL 12 hours	E FOR SELECTED TIMERNAL 12 hours

			ys	Vol.	2.25 1.42 1.84 1.49 2.06	1.99 1.48 2.84 2.50 1.40	2.26 1.85 2.86 1.63 2.67	91. 91. 1.54. 1.1.	,
			8 days	Date	3-13 4-15 4-15 5-17	3-16 4-7 3-2 6-13 5-19	1-11 1-23 1-3 1-2	5-17 3-28 3-1 5-27	
	ID 183		days	Vol.	1.02 .81 .40 .96	1.19 .87 1.75 2.15	1.17 .84 1.67 1.15 2.04	. 28 . 30 . 51	
	WATERSHED 183		sp Z	Date	4-6 4-17 4-19 5-22 12-29	2-6 3-6 6-16 6-6	4-12 1-26 9-1 1-3 1-25	7458 7458 7458	
		ERVAL	day	Vol.	0.75 .66 1.10 .90 .69	.88 .66 1.50 2.04 .61	.69 .53 1.67 .81	.16 .16 .04.	
	COSHOCTON, OHIO	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 9	Date	4-17 4-17 4-19 5-22 12-29	5-20 3-6 9-23 6-16	4-14 1-27 9-1 1-3 1-26	3-22 3-29 5-44 5-27	
	HSOD	ECTED 1	urs	Vol.	0.58 .61 .80 .39		.50 .40 1.67 1.14	.11	
		FOR SEI	12 hours	Date	4-6 7-8 4-19 5-22 12-29	3-19 3-6 9-23 6-16 6-6	4-14 1-27 9-1 1-3 1-26	1-17 3-29 3-4 3-7	
	AX IMUM	VOLUME	6 hours	Vol.	0.35 57. 68 53.	.51 .34 1.73 .35 .35	.88 1.66 .86 .65	.23	
-	AND ANNUAL MAXIMUM TIME INTERVALS	MAX IMUM	6 hc	Date	8-4 7-8 4-19 5-22 3-16	3-19 4-7 9-23 6-16 6-6	4-14 1-27 9-1 1-3 1-26	5-82 3-12 3-14 5-31	
		1	hours	Vol.	0.33 .26 .36 .55	.30 1.00 1.53	42. 42. 1.58 1.58	.03 .03 .266 .14	
	PER HOUR SELECTED		2 hc	Date	8-4 7-8 6-18 5-22 3-16	3-19 4-8 9-23 6-16 8-16	4-14 7-21 9-1 2-21 1-26	7-27	
			nc	Vol.	0 8 8 8 8 8 8	.18 .10 .69 1.37	.17 .20 1.21 .07	00. 11. 12.	
	GES IN IN INCH		l hour	Date	8-4 7-8 6-18 5-22 3-16	5-30 14-8 9-23 6-16 8-16	4-14 7-21 9-1 2-21 1-26	77.42	
とく サーング	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	0.62 .50 .61 .63	3.4.4.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.	84. 1.76 89.	60.00.00.00.00.00.00.00.00.00.00.00.00.0	
POSTAGIT	ANNUAL MAXIMUM I VOLUMES OF I	MAXIMUM	DISCHARGE	Date	8-7-9-7-9-8-7-9-8-7-9-8-7-9-9-8-1-8-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9	3-19 8-23 9-23 6-16 8-16	4-14 7-21 9-1 6-22 1-26	5-22 18-29 3-4 7-5	
	AINUAL		YEAR		p 1938 1939 1940 1941	1943 1944 1945 1945 1946	1948 1949 1950 1951 1952	1953 1954 1955 1956	Notes:

Quality of records: excellent. p - Station not in operation in January.

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			days	Vol.	2.49 2.74 1.86 2.50 1.83	1.78 1.27 2.84 2.84	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3.66 .84 .80 1.84 1.96	
			8 de	Date	6-21 3-13 4-15 3-1 5-17	3-16 3-16 3-2 6-16	5-20 4-11 1-23 1-3 2-16	1-24 3-24 3-1 8-21	
	ED 196		days	Vol.	1.67 1.01 1.85 1.04	11.16	1.13	2.57 .16 1.00 1.55	
	WATERSHED		2 da	Date	6-21 3-13 4-17 3-2 5-22	4-9 3-6 3-6 6-16	6-6 4-12 1-26 9-1 1-3	1-25 1-17 3-28 3-4 2-25	
	OHO	ERVAL	day	Vol.	1.28 .90 .94	.62 .92 .76 1.35	.89 1.16 .63 1.62 .98	2.09 .28 .82 1.37	
	TOM, OF	IME INT	1 d	Date	6-21 3-14 4-17 4-19 5-22	3-16 3-6 3-6 9-23 6-16	6-6 2-13 1-27 9-1 1-3	1-26 1-17 3-28 3-4 2-25	
	COSHOCTON,	FOR SELECTED TIME INTERVAL	hours	Vol.	<u> </u>	.51.62	23. 1.00. 14. 1.00. 57.	13.64 .32 .32 .65 .65 1.21	
		FOR SEL	12 ho	Date	6-21 3-11, 7-8 4-19 5-22	3-16 3-6 3-6 9-23 6-16	6-6 2-13 1-27 9-1 1-3	1-26 1-17 3-28 3-4 2-25	
	XIMUM	VOLUME :	urs	Vol.	12.0	.43	.52 .72 .27 .35	25. 01. 40.1 40.1	13.
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-21 8-4 7-8 5-22	3-16 3-19 3-6 9-23 6-16	6-6 2-13 1-27 9-1 1-14	1-26 1-17 10-15 3-4 2-25	s: good.
		M	hours	Vol.	95.00 126.03 55.03	.32 .18 .18 .35 .1	なら 61: 41:	100 005 77 72	Quality of records; good.
	PER HOUR SELECTED		2 ho	Date	6-21 8-4 6-28 5-22	3-16 5-30 4-7 9-23 6-16	6-6 2-13 7-21 9-1 1-14	1-26 1-17 10-15 3-4 2-25	lity of January
	INCHES FOR S		ur	Vol.	12.03.05.05.05.05.05.05.05.05.05.05.05.05.05.	6 .16 .18 .11 .56	.27 .17 .16 .10	050 050 052 053 055 055	1. Qua
	ES IN I		l hour	Date	6-21 7-8 6-28 5-22	3-16 5-30 4-8 9-23 6-16	6-6 4-14 7-21 9-1 2-21	1-26 1-17 12-29 3-4 2-25	stimate in ope
4=22	DISCHARGES RUNOFF IN	AUM.	'RGE	Rate	05.0 05.0 87.0 84.0 57.0	. 22 . 24 . 15 1.06	.59 .28 .777 .15	8.00 8.00 8.00 8.00 8.00 8.00 8.00 8.00	Partially estimated. Quality of records: good. Station not in operation January through April 13.
THATTAH		MAXIMUM	DISCHARGE	Date	6-21 8-4 7-8 6-28 8-15	3-16 5-31 8-23 6-16	8-16 4-14 7-21 9-1 6-22	1-26 1-17 12-29 3-4 2-25	e - Part p - Stat
2-2.	AINTUAL MAXIMUM VOLUMES OF		YEAR		P 1937 1938 1939 1940 1940	1942 1943 1945 1945 1946	1947 1948 1949 1950 1951	1952 1953 1954 1955 1956	Notes:
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		days	Vol.	1,25 1,44 .77 1,92 1,61	1.14 2.39 1.31 1.31 2.82	1.50 2.04 1.69 2.43 .65		
		8 da	Date	4-15 4-15 6-3 12-26 3-16	4-7 6-16 5-21 4-11	1-23 12-2 2-12 1-20 1-17	12-28 3-1 1-24	
hed 10		ys	Vol.	0.70 1.14 .72 1.06	1.50 1.50 .97 1.74	.72 .76 .89 1.80	.26 .61 1.12	
Watershed 10		2 days	Date	3-12 4-19 6-3 12-28 3-19	3-6 3-6 7-21 6-6 4-11	1-26 1-5 1-3 1-25	3-21 2-25 2-25	
DIE	ERVAL	ay	Vol.	75.0 .95. 46. 66.	1.51 1.88 .98 .93	.48 .61 .62 1.43	.23 .169 1.001	
COSHOCTON, OHIO	IME INT	l day	Date	4-17 4-19 6-4 12-29 3-19	3-6 3-6 7-21 6-6 4-11	1-27 1-6 1-3 1-26	10-15 3-4 2-25	
COSHO	SELECTED TIME INTERVAL	urs	Vol.	0.43 .67 .59 .59	.41 1.02 .85 .51	25. 54. 50. 50. 50.	08.00	
	FOR SEL	12 hours	Date	4-17 4-19 6-4 12-29 3-19	3-6 9-23 7-21 6-6 4-11	1-27 1-6 1-3 1-26 5-7	10-15 3-4 2-25	
KIMUM	VOLUME 1	urs	Vol.	0.26 443 524 525 524 525		23° 15° 12° 13° 13°	.16	
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	4-18 4-19 6-4 6-14 3-19	3-6 9-23 7-21 6-6 4-11	1-27 5-25 1-3 1-26	10-15 3-4 2-25	700
AND AND TIME I	M	urs	Vol.	0.13 .28 .44 .91 .93	.13 .76 .30	999	.08 .21 .47	3
PER HOUR SELECTED		2 hours	Date	4-18 4-19 6-4 6-20 3-19	3-6 9-23 7-21 6-6 4-11	1-27 5-25 1-4 1-26 5-7	10-15 3-4 2-25	o space of the property
IN INCHES P		ur	Vol.	0.09 12. 42. 45.	00 98 42 42	0.05	.00, 41. .31	
ES IN I		1 hour	Date	7-8 6-18 6-4 5-19	3-6 9-23 7-11 6-6 4-11	1-27 5-25 1-4 1-26 1-17	10-15 3-4 2-25	
SISCHARG	AUM AUM	RGE	Rate	42.0 75. 57. 64. 62.	1,08 1,17 2,15 88	8 1.0 8 8	. 19 21.	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX VOLUMES OF RUNCET IN INCHES FOR SELECTED TIME INTERVALS	MAX IMUM	DISCHARGE	Date	7-8 6-18 6-4 6-20 3-19	3-6 9-23 7-21 6-6 4-11	7-6 5-25 2-21 1-26 5-7	10-15 3-4 2-25	- 1
ANNUAL I		YEAR		1939 1940 1941 1942 1943	1944 1945 1945 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	Notes:

e - Partially estimated. Quality of records: good.

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			days	Vol.	2.01 2.02 1.68 1.30	2.69 1.36 1.30 2.91 1.61	1.88 1.54 2.63 .69	1.08	
	:		8 de	Date	3-2 6-3 12-26 3-16 4-8	3-2 6-16 5-21 4-11	1-6 2-16 1-26 1-17 12-28	5-27	
	ED 5		ys	Vol.	1.46 .97 .87	1.53	1.07 1.83 1.41	99.	
	WATERSHED		2 days	Date	3-3 12-28 3-19 3-6	3-6 6-16 1-30 4-11 1-26	1-6 1-3 1-26 1-17	3-21 2-25	
	01	ERVAL	ay	Vol.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.18	.67 .80 1.44, .35	• 38	
	COSHOCTON, OHIO	DAE INTE	l day	Date	3-3 6-4 12-29 3-19 3-6	3-6 6-28 1-30 4-11	1-6 1-3 1-26 1-17	3-21 2-25	
	COSHOC	SCIED I	ırs	Vol.	0.56 .75 .34 .53	25555	1.04 1.04 28 1.5	.30	
	:	FOR SELECTED TIME INTERVAL	12 hours	Date	4-19 6-4 12-29 3-6	3-6 6-28 1-30 4-11	5-25 1-3 1-26 1-17 10-15	2-25	
	XIMUM	VOLUME :	urs	Vol.	8.0.2.1.8	4. 88. 54. 51.	à%&%!i	.23	
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	4-19 6-4 12-26 3-19 3-6	10-1 6-28 6-6 4-11 1-27	5-25 1-3 1-26 1-17	2-25 2-25	Quality of records: fair.
	AND AN TIME I	M	urs	Vol.	0.18 .54 .17 .25		89.50.00.	.13	record
	PER HOUR SELECTED		2 hours	Date	3-3 6-4 12-26 3-19 3-6	9-23 6-28 6-6 1-11	5-25 1-4 1-26 1-17 10-15	3-4 2-25	lity of
	IN INCHES POR STANDARD		ur	Vol.	0.09 44. 51. 71.	.20 .11 .16 .06	31. 30. 30. 30. 30.	.16	
	ES IN I		1 hour	Date	3-3 6-4 12-26 3-19 3-6	9-23 7-11 6-6 4-11	5-25 2-21 1-26 1-17 10-15	3-t 2-25	stimate
	DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	IUM	RGE	Rate	0.15 .83 .22 .19	37. 81. 80. 90.	12.00.00.00.00.00.00.00.00.00.00.00.00.00	.19	- Partially estimated.
	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	6-25 6-4 6-7 3-19 8-23	9-23 6-6 1-27	9-1 2-22 1-26 1-17	2-27	e - Part
8-5.7	ANNUAL M VOLU		YEAR		1940 1942 1943 1943	1945 1946 1947 1948 1949	1950 1951 1952 1953 1954	1955	Notes:
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114 %808%3 8.4.4.289	77 77 77	22-26 3-19 .22 3-6 .16 10-1 .39 7-11 .51 6-6 .20 6-11 .52	22
868 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	7 - 99 - 17	85. 85. 85.	.24 10-1 .39 .37 7-11 .51 .30 .30 .4-11 .52 .30 .30 .30 .30 .30 .30 .30 .30 .30 .30
£. £. 6. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	-1-2	11.	.06 1-27 .11 .10 5-25 .19
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.26 3-21 .26 3-21 .71 2-25	10-15 3-4 2-25	10-15 06 10-1 3-4 15 3-4 2-25 .34 2-2	00. 15. 15.

Quality of records: fair.

		7.	32 04 145 05	99 77 57 57 57	7 ¹ 7	72 175		
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	8	Date	4-15 3-2 6-3 12-26 3-16	7-t- 6-16 5-21 1-11	1-23 1-4 2-12 1-26 1-17	10-15 3-4 2-85		
	ys	Vol.	0.71 1.36 1.07 1.13 1.08	.76 1.85 .91 .70	.73 1.05 2.50 1,05	.23 .64 1.12		
	2 da	Date	4-18 5-7 6-4 1-29 3-19	3-6 3-6 7-21 6-6 4-13	1-27 1-6 1-3 1-26	3-4 2-25		
ERVAL	ay	Vol.	0.53 .99 .89 .75	1.50	.50 .63 .11 .35	.19 94. 1.39		
IME INT	1 d	Date	4-18 3-3 6-4 12-29 3-19	3-6 3-6 7-21 6-6 4-11	1-27 1-6 1-3 1-26 1-17	10-15 3-4 2-25		
ECTED T	urs	Vol.	0.38 .69 .80 .38	1.02 1.02 .76 .52 .81	.55 .48 1.65	.16		
FOR SEL	12 ho	Date	4-18 4-19 6-4 1-29 3-19	3-6 3-6 3-6 6-6 4-11	1-27 5-25 1-3 1-26 1-17	10-15 3-4 2-25		
VOLUME 1	urs	Vol.	0.0 17. 02. 07.	.37 .75 .44 .66	24. 24. 288. 295.	.12		fair.
AXIMUM Y	oq 9	Date	4-18 4-19 6-4 12-30 3-19	3-6 9-23 7-11 6-6 4-11	1-27 5-25 1-3 1-26	10-15 3-4 2-25		cords:
M	urs	Vol.	0.11 .28 .53 .12	7.0.0.0.3	51. 49. 51. 54.	.06 .19		Quality of records: fair.
	ch S	Date	4-18 4-19 6-4 6-20 3-19	3-6 9-23 7-11 6-6 4-11	1-27 5-25 1-3 1-26	10-15 3-4 2-25		Qualit;
	ur	Vol.	0.06 .16 .34 .08	01. 04. 04. 05. 04. 05.	70. 51. 50. 49.	.12		nated.
	l ho	Date	4-18 6-4 6-20 3-19	3-6 9-23 7-11 6-6 4-11	1-27 5-25 2-21 1-26 1-17	10-15 3-4 2-25		ly esti
TUM	RGE	Rate	0.11 .17 .14 .25	13488	.07 .05 .07			- Partially estimated.
MAXIN	DISCHA	Date	1-30 4-80 6-4 6-80 3-19	3-6 9-23 7-11 6-6 4-11	1-27 5-25 2-21 1-26 1-17	10-15 3-4 2-25		0
	(EAR		1939 1940 1941 1942 1942	1944 1945 1945 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956		Notes:
	MAXIMIM MAXIMIM VOLUME FOR SELECTED TIME INTERVAL	B 1 hour 2 hours 6 hours 12 hours 1 day 2 days	MAXIMUM DISCHARGE 1 hour 2 hours 6 hours 12 hours 12 hours 2 days 8 Date Rate Vol. Date Vol. Vol. Date Vol. Vol. Date Vol. Vol. Vol. Date Vol. Vol. Vol. Vol. Vol. Date Vol. V	DISCHARGE 1 Nout 2 Nout	Discrimentary Maximum Maximum	DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 day 1 day 1 day 2 days 8 day 1 day 1 day 1 day 2 days 1 day 1 day	DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 day	Discription Discription

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MAXIMUM VOLUME FOR SELECTED TIME INTERVAL 2 days 8 days	CHARGES IN INCHES PER HOUR CHE IN INCHES FOR SELECTED	IN INCHES PER HOUR INCHES FOR SELECTED	PER HOUR SELECTED			ND AN	AND ANNUAL MAXIMUM TIME INTERVALS	XX IMUM		COSEC	COSHOCTON, OHIO	OHIO	WATERS	WATERSHED 95		
Rate Date Vol. Date	MA	MAXIMUM					MAXIMUM	VOLUME	FOR SEI	ECTED 1	TIME INT	ERVAL				
Pate Date Vol. Date	STO	CHARGE	1 hc	our		ours		ours	12 hc	ours	1 9	lay		ıys	8 de	ry s
0.07 4-18 0.06 4-18 0.02 4-18 0.05 4-18 0.045 4-18 0.06 4-17 0.081 4-15 0.08 1.4 0.12 1.4 0.08 1.4 0.18 0.05 1.4 0.19 0.46 1.4 0.06 1.4 0.	Date		Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
36 9-26 .008 3-6 .15 3-6 .34 3-6 .55 3-6 .67 3-6 .81 4-8 3-8 3-8 3-8 3-8 3-8 3-8 3-8 3-8 3-8 3	7-8 4-20 6-4 3-19		4-18 6-4 6-4 3-19	0.06	4-18 4-19 6-4 6-4 3-19	0.12 72. 745 11.	4-18 4-19 6-4 12-29 3-19	23.98.6	4-18 4-19 6-4 12-29 3-19	0.43 .07 .37 .67	4-18 5-5 6-4 12-29 3-19	0.60 .93 .77 .78	4-17 3-2 6-3 12-28 3-19	0.81 1.43 .91 1.12	4-15 3-2 6-3 12-25 3-16	2.05 1.16 2.13 1.97
1.05 1-27 0.05 1-27 0.0 1-27 0.1 1-27 0.34 1-27 0.44 12-2 0.90 12-2 0.5 1-4 0.5 1-4 0.5 1-5 0.5 1-4 0.5 1-5 0.	3-6 9-23 7-11 6-6 4-11		3-6 9-23 7-11 6-6 4-11	88838	3-6 9-23 7-11 6-6 4-11	15. 15. 15. 17.	3-6 9-23 7-11 6-6 4-11	72. 179. 179. 179. 179. 179. 179. 179. 179	3-6 3-6 7-11 6-6 4-11	.53 .67 .47	3-6 3-6 6-16 6-6 4-11	.67 1.32 .75 .60 .93	3-6 3-6 6-16 6-6 4-11	.81 1.68 .88 .80 1.74	4-8 3-2 6-16 5-21 4-11	1.43 2.87 1.74 1.56 3.24
.04 10-15 .03 10-15 .07 10-15 .13 10-15 .18 10-15 .22 12-28 .25 12-28 .09 3-4 .08 3-4 .15 3-4 .27 3-4 .36 3-4 .63 3-1 .30 2-25 .27 2-4 .36 2-25 .82 2-25 .95 2-25 1.07 2-25 1.21 2-25	1-27 5-25 1-4 1-26 1-17	-	1-27 5-25 1-4 1-26 1-17	0110000	1-27 5-25 1-4 1-26 1-17		1-27 5-25 1-3 1-26	.23 .38 .95 .18	1-27 5-25 1-3 1-26 1-17	.34 .47 .57 .27	1-27 1-6 1-3 1-26 1-17	.49 .59 1.98 .35	1-26 12-2 1-3 1-26 1-17	.75 .90 1.00 2.37 .43	1-23 12-2 2-12 1-26 1-17	1.68 1.90 1.85 3.06
	10-15 3-4 2-25		10-15 3-4 2-25	.03	10-15 3-4 2-25	.07 .15	10-15 3-4 2-25	.13 .82	10-15 3-4 2-25	.18	10-15 3-4 2-25	.22 .49 1.07	12-28 3-4 2-25	.25 .63 1.21	12-28 3-1 2-25	.61

8-57 Revised 4-59

			days	Vol.	6.77 2.23 1.64 2.13	2.28 2.08 1.55 3.01	1.75 3.14 1.81 2.34 1.60	2.93 .78 .54 1.42 1.57	
			8 de	Date	1-18 3-13 4-15 4-15 6-3	12-26 3-16 4-8 3-2 6-16	5-21 4-11 1-23 1-3	1-26 1-17 3-29 3-1 2-25	
	£0 03		days	Vol.	3.17 1.01 .89 1.55	1.26 1.12 .95 1.94	.75 1.79 .84 1.08	2.25 .45 .30 .81	
	WATERSHED 97		2 da	Date	1-24 3-14 4-18 4-19 6-3	12-29 3-19 3-6 3-6 6-16	6-7 4-11 1-27 1-6 1-5	1-26 1-17 3-29 3-4 2-25	
		ERVAL	ay	Vol.	2.90 .73 .68 1.20	.79 .80 .80 .75.1		1.87 .38 .20 .64 .64	
	COSHOCTON, OHIO	IME INT	l day	Date	1-24 3-14 4-18 4-19 6-4	12-29 3-19 3-6 3-6 6-16	6-7 2-13 1-27 1-6 1-5	1-26 1-17 10-15 3-4 2-25	
	COSHO	ECTED T	urs	Vol.	1.99 4.74 1.89 1.80		45 54 54 54 54 54 54 54 54 54 54 54 54 5	68. 91. 94. 10.1	
		FOR SEL	12 hours	Date	1-24 3-14 4-18 4-20 6-4	12-30 3-19 3-6 3-6 6-16	6-7 2-13 1-27 1-6	1-26 1-17 10-15 3-4 2-25	
	XIMUMI	VOLUME :	urs	Vol.	1.89 7.7. 82. 87.	42. 14. 14. 88. 57.	04.06.00 04.	200 21. 21. 75. 86	
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	1-24 3-14 4-18 4-19 6-4	12-30 3-19 3-6 9-23 7-11	6-6 2-13 1-27 5-25 1-3	1-26 5-7 10-15 3-4 2-25	
	AND	M	hours	Vol.	0.68 .16 .31 .31	88. 71. 47. 77.	.19 .26 .25 .12	.06 .06 .08 .08	
	PER HOUR SELECTED		S ho	Date	6-21 3-14 4-18 6-28 6-4	4-9 5-30 3-6 9-23 7-11	6-6 4-11 1-27 9-1 1-4	1-26 5-7 10-15 3-4 2-25	
	INCHES PES FOR S		hour	Vol.	0.35	8488	.10 .06 .06	.05	•poo:
	ES IN I N INCHE		1 ho	Date	6-21 7-8 6-28 6-28	6-21 5-30 3-6 9-23 7-11	6-7 4-11 1-27 9-1	1-26 5-7 10-15 3-4 2-25	ords: g
4-22	DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	IUM	RGE	Rate	0.37	888% <u>4</u>	11:15:00:00:00:00:00:00:00:00:00:00:00:00:00	80.00.00.00.00.00.00.00.00.00.00.00.00.0	Quality of records: good.
Revised 4-79	AL MAXIMUM I	MAXIMUM	DISCHARGE	Date	6-21 8-4 7-8 6-12 6-13	6-21 2-50 3-63 7-11	6-7 4-11 1-27 9-1 1-4	1-26 5-7 10-15 3-4 2-25	 Quality
8-57	ANNIVAL MAXIMUM VOLUMES OF		YEAR		1937 1938 1939 1940 1941	1942 1943 1944 1945 1946	1947 1948 1949 1950 1951	1952 1953 1954 1955 1956	Notes:

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		days	Vol.	6 0.80 4.76 2.00 1.35	• 1.90 • 2.10 • 1.65	2.38	1.62 3.62 1.94 2.53	2.96 2.96 .85 .67	1.72			
		8 da	Date	11-4 1-18 3-13 4-15	6-3 12-24 3-16	3-50	6-16 5-21 4-11 1-23	2-12 1-26 1-18 3-29 2-28	5-27			
766 0		days	Vol.	0.73	61.18 .68 .72 .78	1.59	1.38 1.49 1.15	2.33	1.43			
жатевзнер 994		2 da	Date	11-4 1-20 3-13 1-30	2-	3-8	6-16 6-7 4-13 1-28 12-2	2-12 1-26 1-18 3-30 2-22	2-25			
	ERVAL	day	Vol.	1.59	٠ <u>۴</u> ۲.۲.۳	•35	1.21 .71 .82 .58	.94 .46 .23	1.20			
ron, ohio	IME INT	1 d	Date	11-4 1-24 3-13 1-30	6-3	3-20	6-16 6-7 4-13 1-28 12-2	1-3 1-26 1-18 10-15 2-22	2-25			
COSHOCTON,	ECTED T	urs	Vol.	0.34 1.16 444 .35	0	.87	1.00 .76 .76 .76 .79	1.25 1.25 1.35 3.19	1.03			
	FOR SEL	12 hours	Date	11-4 1-24 3-13 1-30	6-3	3-6	6-16 6-7 2-13 1-28 1-6	1-3 1-26 1-18 10-15 2-22	2-25			
KIMUM	VOLUME 1	urs	Vol.	0.20 .72 .27	.34 .18 .33	81° 84.		83.92.65	.78	• sr 31.		
ANNUAL MAXIMUM : INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	11-4 1-24 3-13 1-30	6-3	3-6	6-16 6-7 2-13 1-28 5-25	1-3 1-26 1-18 10-15 3-4	2- 25	s: good.		
AND	M	urs	Vol.	0.07 .26 .10	41.	.07 224	42: 13: 14: 16: 17:	.10 .08 .05	• 32	Quality of records:		
PER HOUR SELECTED		2 hour	2 hours	2 hour	Date	11-4 1-24 3-13 4-18	1-9 1-9 1-9 1-9	10-2	6-16 6-7 2-13 1-28 5-25	1-4 1-26 1-18 10-15 3-4	2-25	lity of January
		ır	Vol.	41. 50. 50.	0.07	.03	113 007 009 400	20000	•19	d. Qua		
		l hour	Date	11-4 1-24 8-4 1-18	6-3 1-9 5-30	10-2	6-16 6-7 2-13 1-28 5-25	1-4 1-26 1-18 10-15 3-4	2-25	stimate in ope		
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MO	RGE	Rate	0.04 .15 .05	0.00	,0°.	1.0 00 00 00 00 04	.05 .05 .05 .05	•19	Partially estimated. Quality of records: good. Station not in operation January through October 31		
AL MAXIMUM D VOLUMES OF R	MAXIMUM	DISCHA	Date	11-4 6-21 8-4 1-18	6-7 11-9 5-30	10-2	7-11 6-7 2-14 1-28 5-25	1-4 1-26 1-18 10-15 3-4	2-25	- Part		
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 1		YEAR		1936 1937 1938 1939	1940 1941 1942 1943	1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956	otes:		



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		s.v.s	Vol.	0.24	2.64	3.07	.81	1.92	3.39	0 1.78		
		8 days	Date	11-18	4-15	4-17	12-23	12-22	3-12	4-7		
W - I		days	Vol.	0.19	2.05	2.45	.57	1.13	2.30	/ ₁ -11 e .85	η. η.	
WATERSHED W		2 da	Date	11-18 0.19	4-15	4-19	12-23	5-6	3-19	l_{t} -11	ber 19/	
	ERVAL	ау	Vol.	0.13	1.47	1.67	क्ष-	-89	2.17	4-11 e .75	р Десел	
HAMILTON, OHIO	IME INT	l day	Date	11-18 0.13	4-15 1-47	4-19	12-23	5-6	3-19	11-17	throng	0
EAMII	ECTED T	urs	Vol.	0.08	•79	1.38	•39	•52	1.91	02. 0	June 15	
	FOR SEI	12 hours	Date	11-18 0.06 11-18	4-15	4-19	12-23	5-6	3-19	11-17	978 and	~~~
KIMUM	OLUME	6 hours	Vol.	90.0	.52	.86	8,	.51	1.10	1-11 e .50	3, 10	7
NUAL MA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 ho	Date	11-18	7-4	4-19	12-23	2-6	3-19	Į1-17	Quality of records: good.	
AND AN		ours	Vol.	0.04	•38	• 32	•13	•33	.52	• •24	records	0
PER HOUR		2 hours	Date	11-18	7-4	4-19	12-23	2-6	3-19	4-11	lity of January	-
CNCHES I		our	Vol.	0.03	.28	.17	20.	.21	.32	6 .13	d. Qua	
ES IN		1 hour	Date	11-18	7-7	61-47	12-23	2-6	3-19	11-47	stimate in one	
DISCHARC RUNOFF	MUM	ARGE	Rate	0.05	64.	.17	60.	.31	•54	•16	- Partially estimated.	
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	11-18	7-7	61-17	12-23	2-6	7-7	11-17	e - Partially estimated. Quality of records; good. - Station not in operation January through October 3, 1938 and June 15 through December 19/1/1.	
ANNUAL		YEAR		p 1938	1939	01/6I	1961	य)6ा	1943	<i>ф</i>	Notes:	

		ys	Vol.	2,72	2.71	3.82	1.49	1.89	3.99	e 1.57	
		8 days	Date	9-10	4-15	14-17	12-23	12-22	3-12	7-47	,
	.,	ys	Vol.	2.17	2.45	3.50	1,41	0 1.17	2.93	89.	
D W-II		2 days	Date	9-13	4-15	4-19	12-23	2-5	3-19	6-4	г 1944.
WATERSHED W-II	ERVAL	ay	Vol.	1.17	1.87	2,98	1.36	1.07	2.89	. 52	Decembe
	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	9-13-	4-15	4-19	12-23	5-6	3-19	6-47	hrough
HAMILTON, OHIO	ECTED T	urs	Vol.	1.05	1.27	2.25	1.32	68.	e 2.30	야? •	ne 14 t
HAMIL	FOR SEL	12 hours	Date	9-13	4-15	4-19	12-23	5-6	3-19 e	6-4	and Ju
XIMUM	VOLUME :	urs	Vol.	1.02	.81	1.65	1.17	.57	3-19 01-90	e •33	1938
NUAL MA	AXIMUM	6 hours	Date	9-13	4-15	4-19	12-23	1-1	3-19	4-9	good .
AND AN TIME I	M	ours	Vol.	96•0	.43	99.	†19°	• 38	3-19 0 1.00	.28	records through
ER HOUR		2 hours	Date	9-13	4-15	4-19	12-23	1-1	3-19	6-4	ity of snuary
NCHES PI S FOR SI		ır	Vol.	0.91	•32	•31	64.	•28	09.	4Z. e	. Qual
ES IN II N INCHE		l hour	Date	9-13	4-15	4-19	12-23	1-1	3-19	6-17	timated in oper
UNOFF I	NOM N	RGE	Rate	3.45	.43	02.	.52	.43	2.17	oŋ.	- Partially estimated. Quality of records: good. - Station not in operation January through June 28, 1938 and June 14 through December 1944.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	9-13	4-15	8-9	12-23	1-1	9-2	6-4	e - Part p - Stat
ANNUAL N VOLU		YEAR		p 1938	1939	o461	1961	2461	1943	1944	Notes:

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AUNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS RAMILTON, OHIO WATERSHED W - III	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	rrs 6 hours 12 hours 1 day 2 days 8 days	Vol. Date Vol. Date Vol. Date Vol. Date Vol. Date Vol.	0.54 9-14 0.65 9-14 0.65 9-14 0.65 9-13 0.83 9-9 1.31	.49 4-15 .87 4-15 1.50 4-15 1.76 4-15 2.49 4-14 2.71	.70 4-19 1.81 4-19 2.43 4-19 3.04 4-19 3.63 4-17 3.87	.40 5-16 .444 5-16 .444 5-16 .444 12-23 .63 12-23 .65	e .\(\pi_5 \) 11-17 e .58 2-6 .87 2-6 .99 2-5 1.16 2-4 1.40	e .70 3-19 e1.68 3-19 e2.05 3-19 2.76 3-19 2.77 3-12 3.48	e .24	Partially estimated. Quality of records: good.
TON, OH	TIME IN	1	Date					5-6	3-19		
HAMIL	ECTED	ours	Vol.		1.50	2.43	44.	.87		e •43	
	FOR SEI	12 hc	Date		4-15	4-19	5-16	5-6	3-19	11-17	0 1
XIMUM	VOLUME FO	urs	Vol.	0.65	.87	1.81	444.	9 .58	91.68	e • 57	d.
NUAL MA	AXIMUM	ou 9	Date	9-14	4-15	4-19	5-16	11-17		4-11	ls: goo
AND AN TIME I	MA	2 hours	Vol.	0.54	64.	.70	04.	6 .43	o2. e	9 .24	record
ER HOUR ELECTED			Date	9-14	4-15	4-19	5-16	11-17	3-19	4-11	ality of
NCHES PI S FOR SI		ır	Vol	0.37	.33	04.	.32	• 28	6 [†] 7° e	91. 9	d. Que
ES IN II		1 hour	Date	9-14	4-15	4-19	5-16	11-17	01-9	4-11	stimate
DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	MUM	ARGE	Rate	0.56	8%	यः	.37	.36	1.16	•18	- Partially estimated.
AL MAXIMUM I	MAXIMUM	DISCHARGE	Date	भूग-6	4-15	4-19	5-16	11-17	9-10	4-11	e - Par
ANNUAL 1		YEAR		р 1938	1939	1940	1961	रो6ा	1943	म्प6ा d	Notes:

ANNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TRAE INTERVALS	DISCHARG RUNOFF I	ES IN I	NCHES I	ER HOUR	AND AN	NUAL MA	XIMUM		HAMII	HAMILTON, OHIO		WATERSHED W	1	IV	
	MAXIMUM	MUM				M	AXIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEI	ECTED I	IME INT	ERVAL				
YEAR	DISCHARGE	ARGE	l hour	ur	2 ho	hours	6 hours	urs	12 hours	urs	l day	ay	2 da;	days	8 da	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
р 1938	5-21	1.18	5-21	0.71	5-21	0.91	5-21	96•0	7-31	96°0	7-31	1.12	7-31	1.12	5-19	1.49
1939	6-18	97.	4-15	•36	4-15	•50	4-15	1.01	4-15	1.75	4-15	2.39	4-15	3.02	4-15	3.23
0761	01-9	97.	4-19	.28	4-19	•51	4-19	1.34	4-19	2.01	4-19	2.72	4-19	3.43	4-17	3.92
19/1	9-01	1.02	9-01	• 32	12-23	oty.	12-23	•76	12-23	-87	12-23	.88	12-23	.91	12-23	76°
2गे6ा	11-17	•65	11-17	•51	11-17	•59	5-6	-62	5-6	1.12	5-6	1.35	2-5	1,62	2-4	2.03
1943	7-39	1.14	3-19	ф. »	3-19	6 .52	3-19	90.10	3-19	e 1.95	3-19	2.88	3-18	3.00	3-12	3.89
p 1944	4-11	-62	7-11	• .28	4-11	е • 34	4-11	9 [†] 7° e	4-11	۰ - 70	3-4	e •75	3-4	6 • 75	3-4	el.33
Notes:	0 Di	- Partially estimated. Quality of records: good Station not in operation January through May 11, 1938 and June 14 through December 1944	y estime	ated.	Quality on Janu	of rece	ords: go	ood. 7 11, 19	138 and	June 17	t throug	ф Бесеш	њег 194	4		

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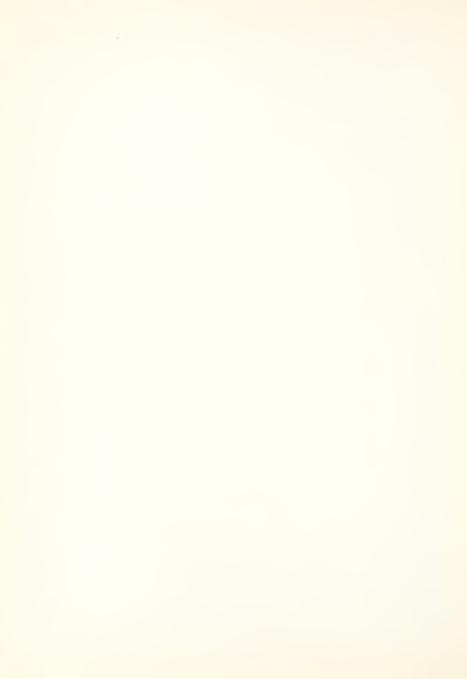
		'n	Vol.	1.73	2.73	2.03	5.01	1.25						
rshed		8 days	Date	8-16	8-3	11-1	1-20	3-13						able.
sed Wate		ys	Vol.	1.73	1.46	el.30	2.45	•79						t avail
Cultivated Watershed	TERVAL	2 days	Date	8-16	78	7-4	1-20	3-13						riod no
		lay	Vol.	1.73	1.46	01.30	2.08	62.						-1942 pe
LLE, OH	TWE INT	l day	Date	8-16	8-7	7-4	1-24	3-13						r 1939-
ZANESVILLE, OHIO	ECTED I	urs	Vol.	1.73	1.46	el.30	2.00	547.						ords fc
	FOR SEI	12 hours	Date	8-16	8-7	7-4	1-24	3-13						led red
XIMUM	VOLUME	urs	Vol.	1.35	1.40	el.30	1.21	•33						Deta
INUAL MA INTERVAI	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date Vol.	9-19	2-8	7-4	1-24	92-9						g: good
AND AN		urs	Vol.	06•0	1.26	01.30	76.	• 30						records
ER HOUR		2 hours	Date	8-16	8-7		.74 1-24	92-9						lity of
INCHES ESS SES S		nr	Vol.	69•0	.82	el.30 7-4		.25						d. Qua
ES IN I		1 hour	Date	8-2	8-7	7-4	6-21	92-9						stimate
DISCHARC RUNOFF I	MUM	ARGE	Rate	2.10	3.89	e 11.70	3.49	1.07	1.63	1.62	1.06	1.13		e - Partially estimated. Quality of records: good. Detailed records for 1939-1942 period not available.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGER IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-2	8-10	7-4	6-21	92-9	7-4	6-28	8-30	3-13		e - Part
ANNUAL		YEAR		1934	1935	1936	1937	1938	1939	194o	19/1	1942		Notes:
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	INCHES
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	NNUAL MAXIMUM DISCHARGES IN INCHES
	MAXIMUM
1-58	ANNUAL

			Vol.	23	1.55	1.66	4.37	1.21					· · · · · · · · · · · · · · · · · · ·	
		days		0.23										-
rshed		8	Date	8-2	8-3	11-1	1-20	3-13						able.
Pasture Watershed		ys	Vol.	0.23	66.	• 50	2.07	*8°						avail
Pastur		2 days	Date	8-2	8-7	11-1	1-20	3-13						Detailed records for 1939-1942 period not available.
OHIO	ERVAL	ay	Vol.	0.23	66•	.27	2.02	78.						942 per
ZANESVILLE, OHIO	IME INT	l day	Date	8-2	7-8	7-4	1-24	3-13						1939-1
ZANES	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	0.19	66•	.27	1.77	67.						rds for
	FOR SEL	12 hours	Date	8-16	7-8	7-h	1-24	3-13						ed reco
XIMUM	VOLUME	urs	Vol.	0.19	66.	.27	1.07	1717.						_
INUAL MA INTERVAL	MXIMUM	6 hours	Date	8-16	8-7	7-4	1-24	9-12						good.
AND AN	N.	urs	Vol.	0.18	06•	.27	•58	.35						ecords
PER HOUR		2 hours	Date	8-16	8-7	1-h	6-21	92-9						Quality of records: good.
INCHES E		ur	Vol.	0.15	9•	.27	•53	.28						
ES IN INCHE		l hour	Date	8-16	8-7	7-4	6-21	92-9						imated
DISCHARG	MOM	'RGE	Rate	0.28	2,00	1.55	1.90	1.09	1.62	.82	1.36	•16		ally est
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-16	8-10	7-4	6-21	92-9	7-4	6-28	7-18	8-17		e - Partially estimated.
ANNUAL		YEAR		1934	1935	1936	1937	1938	1939	οη6τ	1961	2761		Notes: e

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		ys	Vol.	L	•79	•18	2.85	•35					
shed		8 days	Date	9-29	5-2	11-1	1-20	3-13					
Wooded Watershed		ys	Vol.	E	•39	.16	1.82	.21					
Woode		2 days	Date	8-8	5-2	4-5	1-24	3-13					
ОНІО	ERVAL	lay	Vol.	€⊣	•39	.16	1.57	.21					
ZANESVILLE, OHIO	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 day	Date	9-59	5-2	4-5	1-24	3-13					lable.
ZANES	ECTED 1	urs	Vol.	₽	•32	.16	96•	.11					ot avai
	FOR SEI	12 hours	Date	9-59	2-6	4-5	1-24	3-13					eriod r
XIMUM	VOLUME	urs	Vol.	E	•30	•16	•53	90°					1945 F
NUAL MA	MXIMUM	6 hours	Date	9-59	9-6	4-5	1-24	3-13					or 1939
AND AN	2	urs	Vol.	L	.14	60.	• 58	•05					cords f
ER HOUF		2 hours	Date	9-89	5-2	4-5	6-21	3-13					Detailed records for 1939-1942 period not available.
NCHES E		ur	Vol.	₽	80.	.05	•30	.01			-		
FES IN I		1 hour	Date	9-59	5-2	4-5	6-21	3-13					ls: 8000
DISCHARC RUNOFF 1	MUM	ARGE	Rate	€	200	.01	• 58	E	•08	•19	E	• 05	f record
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	62-6	5-5	7-5	6-21	3-13	6-22	4-17	7-18	3-13	ality o
ANNUAL I		YEAR		1934	1935	1936	1937	1938	1939	0761	1961	3 /61	 Notes: Quality of records: good.



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ANTUAL VO:	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED THÆ INTERVALS	DISCHARG RUNOFF I	ES IN I	NCHES F	ER HOUR ELECTED	AND AN TIME I	NUAL MA	XIMUM	Ō	COLBY, WISCONSIN	ISCONSI	N	We	Watershed W-I	I-M F	
	MAXI	MAXIMUM				M	AXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL				
YEAR	DISCH	DISCHARGE	1 ho	hour	2 ho	hours	6 hours	urs	12 hours	urs	1 d	day	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1949	7-28	*00	7-28	-00	7-28	.12	7-28	42.	7-28	.27	7-28	.28	7-27	.32	7-27	•35
1950	5-9	.03	5-9	•03	5-6	90°	5-9	.13	5-9	.18	59	.20	5-9	.21	7-19	.36
1951	7-7	.13	7-4	.13	7-4	12.	7-7	•55	7-4	٠74	7-3	.87	7-3	8.	7-3	1.25
1952	8-3	90°	8-3	•05	8-3	.10	8-3	.28	8-3	.38	8-3	14.	8-3	다.	8-3	17.
1953	7-28	90°	7-28	90.	7-28	.10	7-28	.21	7-28	.28	7-28	•30	7-28	•31	7-28	.34
1954	4-27	60°	75-47	60°	4-27	.17	4-27	07.	10-1/4	99.	10-14	.95	10-13	1.07	7-56	1.38
1955	9-9	• 05	8-9	.02	6-8	•03	6-8	80°	6-8	.13	6-8	.19	8-9	8,	6-3	•54
1956	5-13	.15	5-13	.11	92-9	•19	6-26	17:	6-26	•54	92-59	.82	92-9	88	6-20	.93
Notes:	Quality of year	Quality of records: of year.		Excellent.		ords fr	om Apri	1 23 th	Records from April 23 through Dec. 1.	ec. 1.	Statio	n not in	Station not in operation during rest	tion du	ring res	42



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		ys	Vol.	0.34	1.46	.68	:42	.92	ट्यू.	.43	
*		8 days	Date	7-19	8-2	3-16	3-4	9-6	3-14	8-1	
Watershed No.		/s	Vol.	0.23	.72	.38	.23	•39	.17	.27	pers as Coon Creek at Coon Valley, Wisconsin. Records herse April 1931, and ended Sent. 1940.
Waters		2 days	Date	7-26	8=2	3-10	3-5	9-8	3-19	8-1	Wiscons
nisin	ERVAL	ay	Vol.	0.22	9.	.30	.16	.33	.11	.26	ralley,
Coon Valley, Wisconsin	TIME INTERVAL	1 day	Date	7-26	8-2	3-10	3-6	9-10	3-19	8-1	Coon V
Valley,		urs	Vol.	0.20	.55	22.	.12	8,	8	†ੋਂਟ•	reek at
Coon	OR SEL	12 hours	Date	7-26	8-5	3-10	3-6	9-10	3-19	8-1	Coon
S IMUM	MAXIMUM VOLUME FOR SELECTED	ırs	Vol.	0.17	55.	77:	80.	.23	90°	.20	pers as
NUAL MAC	XIMOM 1	6 hours	Date	7-26	9-8	3-10	3-6	9-10	3-19	8-1	Water Supply Pa
TIME II	M	hours	Vol.	70.0	8.	90°	.03	,10	.03	.12	fater Su
SIECTED		2 ho	Date	7-26	9-8	3-10	3-6	9-10	3-19	8-2	cal Survey, W
S FOR SI		ur	Vol.	70.0	8,	.03	90.	.05	90°	90.	ical Su
N INCHE		1 hour	Date	7-26	9-8	3-10	3-6	9-10	3-19	8-14	Geolog
ANNOHL MALTMON DISCHMASS IN INCHES FER HOUR AND ANNUAL MALTMUM. VOLUMES OF RUNGER IN INCHES FOR SELECTED TIME INTERVALS	UM	RGE	Rate	40.0	•16	.03	°00	90°	20°	20°	Listed in U. S. Geologi - Partially astimated
VOLUMES OF R	MAXIMUM	DISCHARGE	Date	7-26	9-8	3-10	3-6	9-10	3-19	8-14	* Listed in U. S. Geological Survey, Water Supply Papers as Coon Creek at Coon Valley, Wisconsin.
VOLUM		YEAR		1934	1935	1936	1937	1938	1939	1940	Notes: *

Coon Valley, Wisconsin Watershed No. 2 * FOR SELECTED TIME INTERVAL	8 days	. Date Vol.	7 4-1 0.72 9 8-2 1.33	5 3-10 .76 5 3-5 .148 4 9-6 .92 4 5-19 .62 8-2 .51	2 -2 .71 3 -24 .53 6 -2 .71 3 -23 .59 5 -22 .76 5 -22 .76	5 5-5 .83 6-27 .78 7 3-14 .71 5 5-21 .35 5-2 .70	14-6 .45 3-29 .79 7 3-16 .47 7-3 .51 6-2 .96	3-31 1.30
	2 days	Date Vol.	1-2 0.57 8-5 .79	3-10 .47 3-5 .26 9-11 .34 3-19 .24 8-2 .33	9-15 6-28 6-28 52-31 3-24 31 3-13 443	1-5 6-28 3-18 3-21 3-21 3-6 4-2	10-3 .19 7-19 .45 3-17 .17 7-3 .34 6-2 .72	4-2 1.00
ERVAL	day	Vol.	0.45	.34 .27 .15 .15	0.24 117 36 0.38	25. 84. 84. 85. 84. 85. 86. 86. 86. 86. 86. 86. 86. 86. 86. 86	2. 8. 8. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	.59
	J. d	Date	4-2	3-10 3-6 9-11 3-19 8-2	9-15 6-28 3-25 3-11 5-21	1-5 6-28 2-27 3-22	10-3 7-20 14-9 7-3 6-2	7-5
	ours	Vol.	0.26	.23 .10 .18 .12	0.19 0.19 0.22 0.22	.26 .39 .17 .09	.11 .05 .07 .35	.36
FOR	12 hours	Date	4-3	3-10 3-6 9-12 3-19 8-2	9-15 6-28 3-25 2-22 5-21	1-5 6-29 2-27 3-22	10-3 7-20 4-10 7-3 6-2	7-5
VOLUME	6 hours	Vol.	0.14	.13	11. 10. 11. 11.	15. 45. 01. 20. 11.	40. 40. 51. 52.	•20
MAXIMUM VOLUME	6 hc	Date	7-6	3-10 3-6 9-12 3-19 8-2	9-16 6-7 3-25 2-22 5-22	1-5 6-29 2-28 3-22 3-7	10-3 7-20 4-10 7-3 6-2	7-5
4	hours	Vol.	0.05	200000	0 0 0 0 0 0 0 0 0 0	200000	0 0 0 0 0 0 0 0 0 0 0	200
	2 hc	Date	7-6	3-10 3-6 9-12 3-19 8-2	9-16 6-7 3-26 7-22 7-22	1-6 6-29 3-19 3-22 3-7	10-3 7-20 4-10 7-3 6-2	7-5
	our	Vol.	0.03	20.00.00	0 0 0 0 0 0 0 0 0 0 0	000000	10.00.00.00.40.	†70°
	1 hour	Date	7-6	3-10 3-6 9-12 3-19 8-2	9-16 8-26 7-26 7-26 7-26	1-6 6-29 3-19 3-22 3-7	10-3 7-20 4-10 7-3 6-2	4-2
MUM	DISCHARGE	Rate	0.03	0.00.00.00.00.00.00.00.00.00.00.00.00.0	8.00.80	200000	. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	†10°
MAX IMUM	DISCH	Date	7-6	3-10 3-6 3-12 3-19 8-2	9-26 7-26 7-28 7-28	1-6 6-89 3-19 3-7-22	10-3 7-20 4-10 7-3 6-2	7-5
	YEAR		1934 1935	1936 1937 1938 1939 1940	1941 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956

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Wa	INTERVAL	ay	Vol.	0.70 1.12 .58	.95 .0 .48 .78	.15	2.12 .47 .47 .83	• .75 T	t data	y of re
consin	TIME INT	l day	Date	6-19 8-16 8-20 8-16	9-15 9-18 6-22 5-21	* * * * * * * * * * * * * * * * * * *	7-21 7-19 7-4 4-30 7-8	4-1 7-21 6-25	ith plo	Qualit
LaCrosse, Wisconsin	SELECTED T	urs	Vol.	0.70 1.12 .58	.95 .48 .48 .73	.15	2.11 .47 .83 .83	.50	w dosin	time interval. Quality
LaCros	FOR SEL	12 hours	Date	6-19 8-16 8-20 8-16	9-15 6-28 6-22 5-21	3-23 3-23 3-23	7-21 7-19 7-4 4-30 7-8	4-2 7-21 6-25	ecmos 20	ime int
KIMUM	VOLUME 1	urs	Vol.	0.70 1.12 .56	.95 .47 .64 .59	.15	2.08 2.08 .47 .83	.33 .33	l and/o	ff in t
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-19 8-16 8-20 8-16	9-15 6-28 6-22 5-21	**************************************	7-21 7-19 7-4 4-30 7-8	4-2 7-21 6-25	rainfal	te runo
	M	urs	Vol.	0.70 .79 .33 .39	.69 .35 .48 .31	.12	2.01 .47 .81	44. 28.	od from	Unable to estimate runoff in ir.
IN INCHES PER HOUR		2 hours	Date	6-19 7-21 8-21 8-16	9-15 9-18 6-22 5-21	3-23 3-23 3-23	7-21 7-19 7-4 4-30 7-8	4-2 7-21 6-25	stimate	able to
NCHES P		ri,	Vol.	0.70 .79 .19 .39	.50 .33 .48 .28	60. 4	1.77 1.46 1.46 0.30	.08 .32	cd	* 4
		l hour	Date	6-19 7-21 8-21 8-16	9-15 9-18 6-22 5-21	5-5 5-5	7-21 7-19 7-4 4-30 7-8	4-2 7-21 6-25	1. 1937	imatéd rhich a
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	1UM	RGE	Rate	2.86 e4.50 .37 1.92	2.58 1.75 0 2.07	.20 .20 .20	1.34 4.38 1.61 1.85 82	.08 1.58 .01	egan Jer	ally estimated v
AL MAXIMUM I	MAXIMUM	DISCHARGE	Date	6-19 7-21 8-20 8-16	9-15 9-15 6-22 5-21	9-9 7-26 5-5	7-21 6-23 7-4 1-30 7-8	4-2 7-21 6-25	ecords b	e - Partially estimated. those estimated which are
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 1		YEAR		1937 1938 1939 1940	1942 1945 1945 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958	Notes: Re	- 1

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	MAX	MAXIMUM				Z	AXIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEL	ECTED T	TME INT	ERVAL				
YEAR	DISC	DISCHARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	l day	ay	2 days	ys	8 days	ys.
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1952	7-19	3.40	7-19	1.73	7-19	1.98	7-19	2.06	7-19	2.14	7-19	2.16	7-19	2.16	7-19	2.16
1953	7-h	1.64	7-7	19.	7-4	.71	7-7	.71	7-7	.71	7-7	.71	7-7+	.71	7-7	.81
1954	7-30	1.64	4-30	.73	4-30	.9	7-30	.93	7-30	1.00	7-30	1.00	7-30	1.00	7-30	1.00
1955	7-8	92.	7-8	.31	7-8	.37	7-8	04.	78	ot7.	7-8	oty.	7-8	047.	7-8	۰4،
1956	7-5	90°	7-5	90°	7-5	.15	7-5	.38	7-5	39.	1-1	1.13	7-17	1.46	3-26	01.88
1957	7-21	.70	7-21	.28	7-21	.28	7-21	.28	7-21	.28	7-21	.28	7-21	.28	7-16	.36
1958		0		0		•		0		0		0		0		0

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				TOT CO	VOLUMES OF KUNOFF IN INCHES FOR SELECTED	Taker I	CINTERINATION OF THE	q	Lacro	Lacrosse, Wisconsin	sconsir		watersned E-2	C=〒 p		
	MAXIMUM	MUM				4	MAXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED 1	TIME IN	TERVAL				
YEAR	DISCHARGE	LARGE	l hour	our	2 hc	hours	6 hc	6 hours	12 hours	urs	1 0	l day	2 da	days	8 de	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1933	7-1	09.0	7-1	0.35	7-1	80.45	7-1	e0.55	1-22	a0.60	9-30	60.93	6-30	60.93	9-30	60.93
1934	7-5	•73	7-5	.51	7-5	62.	2-2	1.08	7-5	1.08	7-5	1.08	7-5	1.08	7-5	1.26
1935	8-5	.57	8-5	647.	8-5	.72	8-5	.86	8-5	98.	8-2	%	8-2	1.07	8-2	1.93
1936	10-3	847.	10-3	:23	10-3	.29	10-3	.35	*		*		3-9	a .75	3-1	a1.30
1937	6-19	947	6-19	.30	6-19	.43	6-19	•50	6-19	•50	6-19	.50	6-19	•50	6-19	.50
1938	6-6	.75	6-6	.48	8-16	.86	8-16	1.76	8-16	1.83	8-16	1.83	8-16	1.83	9-6	2.52
1939	8-20	.61	8-20	8 [†] 7°	8-20	•78	8-20	1.70	8-20	2.08	8-20	2.12	8-20	2.12	8-20	2.12
1940	8-16	:78	8-16	947.	8-16	•55	8-16	.57	8-16	.57	8-16	.57	8-16	.72	8-14	.73
1941	9-15	88	9-15	•59	9-15	.80	9-15	1.32	9-15	1.32	9-15	1.32	9-15	1.32	8-6	1.45
1942	9-18	.82	9-18	64.	9-18	.61	6-28	.87	6-28	66.	6-59	1.06	9-18	1.24	9-18	1.24
tes: F	Notes: Records began Jan. 1933, ended Dec. 1942.	oegan Ja	n. 1933	, ended	Dec. 19	1 1	- Estir	nated fr	om rair	173	d/or co	a - Estimated from rainfall and/or comparison with plot data.	on with	plot de	ata.	

		days	tys	Vol	81.2 1.8 3.6	4.	20.00.7.7	18 0.19 0.17	1.7.1	
Watershed A-4		8 da	Date	3-29 7-5 8-2	7-18 6-19 7-2 8-20 3-28	9-8 9-18 7-6 6-22 5-20	1-5 4-1 3-15 3-24 3-24	4-1 7-19 7-4 4-30	a - Estimated from rainfall and/or comparison with plot data runoff in time interval. Quality of records: good except	
		days	Vol.	al.00 1.77 1.90	1.19 1.19 2.62 1.13	.80 .97 .01 .77	• .50 .11 .68	.76 1.34 .67 1.15	with pl	
		2 de	Date	7-29 7-5 8-2	5-22 6-19 7-5 8-20	9-15 9-18 7-6 6-22 5-20	* 4-1 3-30 3-24	7-21 7-19 7-4 4-30	arison u	
	ERVAL	day	Vol.	al.00 1.77 1.89	.88 1.19 1.09 2.62 .87	.80 .56 .01 .77	.11. e.49	1.76 1.34 1.15	or comply	
isconsi	TIME INTERVAL	1 9	Date	3-29 7-5 8-2	5-22 6-19 8-16 8-20 8-16	9-15 9-18 7-6 6-22 5-21	3-30 3-26	7-21 7-19 7-4 4-30	11 and/ Quality	
LaCrosse, Wisconsin		urs	Vol.	a0.80 1.77 1.73	88 1.19 1.09 2.62 .87	.80 .56 .01 .77	.52 .31 .11	.76 1.34 .67 1.15	rainfa.	
LaCr	FOR SELECTED	12 hours	Date	3-29 7-5 8-5	8-16 8-16 8-16	9-15 9-18 7-6 6-22 5-21	8-13 8-13 3-30 3-26	7-21 7-19 7-4 4-30	ed from	
KIMUM	VOLUME	urs	Vol.	a0.65 1.74 1.64	88 1.18 1.09 2.12 87	.80 .56 .01 .77	45. 15. 11. 85.	.76 1.34 .67 1.12	Stimate ff in t	
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	7-1 7-5 8-5	8-16 8-16 8-16	9-15 9-18 7-6 6-22 5-21	5-7 5-7 5-7 5-7	7-21 7-19 7-4 4-30	a - a	
	M	urs	Vol.	a0.55 1.46 1.61	1.0.1 1.0.4	340E8	03.0 0.8.	1.18	1, 1955 estimat	
PER HOUR SELECTED		2 hours	Date	7-1 7-5 8-5	5-22 6-19 7-5 8-20 8-16	9-15 9-18 7-6 6-22 7-31	8-5- 8-13 5-5	7-21 7-19 7-4 4-30	anded Mer. 31, 1955	
DISCHARGES IN INCHES POR SI		ur	Vol.	a0.40 1.08 1.32		85. 10. 10. 10.		34. 44. 44. 44.	ended Mar.	
		1 hour	Date	7-1 7-5 8-5	5-22 6-19 7-5 8-20 8-16	9-15 9-18 7-6 6-22 5-21	\$ 6-13 8-13 5-5	7-21 7-19 7-4 4-30	1. 1933,	
	MUM	ARGE	Rate	0.0 2.5 4.5 4.5	2.06 1.42 1.38 1.30	.80 .29 .01 1.50	.13	.61 1.08 .67 1.50	Records began Jan. 1933, ended e - Partially estimated. * Un	
ANNUAL MAXIMUM VOLUMES OF	MAXIMUM	MAXIMUM DISCHARGE		7-1 7-5 8-5	5-22 6-19 7-5 8-20 8-16	4-17 9-18 7-6 6-22 5-21	8-5 8-13 7-31 5-5	7-21 7-19 7-4 4-30	Records began Jan. 1933, e - Partially estimated.	
AINTUAL		YEAR		1933 1934 1935	1936 1937 1938 1939 1940	1942 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954	Notes: R	

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BENTONVILLE, ARKANSAS Watershed W-1		8 days	Date V	6-22 8-27 4-13 5-9 5-9	- Record discontinued Sept. 9, 1947, severe silting May 9-10.
	16	Ø	Vol.	7.80 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	silting
		2 days	Date	6-27 9-2 10-30 10-29 5-8	severe
	TRVAL	urs 1 day	Vol.	1.06 1.86 3.99 5.54 5.54	1947,
	IME INT		Date	5-25 9-3 10-30 5-9	Sept. 9,
	ECTED T		Vol.	00.1 00.8 00.0 00.0 00.0 00.0 00.0 00.0	cinued &
BEN	FOR SEL	12 hours	Date	5-2 5 9-3 10-30 10-39 5-9	discont
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	1,004 1,88 1,19 1,19 1,80	Record
		urs 6 hours	Date	5-2 5-2 6-3 10-29 5-9 5-9 5-9 5-9	م
	N.		Vol.	1,06 1,06 2,13 1,43	oor 194
		1 hour 2 hours	Date	5-25 9-2 4-18 10-29 5-19	1942, p
			Vol.	1.04 6.20 1.62 1.62 1.30	od 1938-
			Date	5-25 8-15 4-15 10-29 5-19	ds; goo
	MUM	ARGE	Rate	2 2 8 8 9 1 1 2 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	of recor
	MAXIMUM	DISCHARGE	Date	5-25 4-15 10-29 5-19	Votes: Quality of records; good 1938-1942, poor 1943. Records after 1943 not reliable.
ANNUAL I		YEAR		1939 1940 1941 1942 1943 b	Notes: Q Records

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	1 day 2 days 8 days	Vol.	.73 .13	.81	1.45	2 7 . 2	.30 1.07	°80				
		Date					6-8	6-26				
FOR SELECTED TIME INTERVAL		ys	ys	Vol.	.55	.48	1,19	2.18	1,06	°80		
		Date	6-27	4-15	8 0	χ 10 10 10 10 10 10 10 10 10 10 10 10 10	6-10	6-26		947.		
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		Date	6-27	4-15	10-29	6 1	6-10	92-9		b - Record discontinued Sept. 9, 1947.		
		Vol.	.50 .07	•38	96	7T.T				scontir		
	12 ho	Date	6-27	101	10-29	0T=c	6-10	92=9		scord di		
MAXIMUM VOLUME	urs	Vol.					.95	08.		-1		
	2 hours 6 ho	Date					6-10	6-26		-1947.		
		Vol.	03. A9							ir 1944		
		Date	6-27	104	10-29	2=TO	6-10	92-9		1943, fe		
	ur	Vol.	.48 .04							1938-		
		1 ho	Date	6-27	10-4	10-29	2 - 10	6-10	92-9		ds; good	
4UM	ARGE	Rate	.80	1,06	2.42	1,30	.62 2.89	2.12		f recor		
MAXIN	DISCH	Date	6-27	4-18	10-29	2=19	6-10	92-9		uality o		
	YEAR		1939	1941	1942	1943	1944	1946 b		Notes: Quality of records; good 1938-1943, fair 1944-1947.		
	MAXIMUM MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	MAXIMUM WOLUME FOR SELECTED TIME INTERVAL DISCHARGE 1 hour 2 hours 6 hours 12 hours 2 days	MAXIMUM Discription Date Vol. Date	MAXIMIN DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 days 8 days 1 day 2 days 1 day 2 days 1 day 2 days 3 days	MAXIMUM MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	MAXIMUM MAXIMUM VOLUME FOR SELECTED TIME INTERVAL DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 day 8 day 1 hour 2 hours 1 hours 1 hours 2 hours 1 hours 1 hours 2 hours 3 hour	MAXIMIN DISCHARGE 1 DOLT 2 DOLT C DALE Vol. DALE V	MAXIMUM MAXIMUM VOLUME FOR SELECTED TIME INTERVAL B day B day	DISCHARGE 1 Nour 2 Nour 2 Nour 2 Nour 2 Nour 2 Nour 2 Nour 3 Nour	Discriming Dis		

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		ys	Vol.						1,09		
W-3		8 days	Date					6-10	9-24	5=5	tially
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Wat		2 days	Date	6-27	3-8	10-29	2-8-0	6-10	9=24	52=6	
SAS	ERVAL	ay	Vol.	0.05					•75		Septes
C, ARKAN	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	6-27	2=6	10-29	5-10	6-10	4-14	57=C	b - Record discontinued 9 Sept., 1947.
BENTONVILLE, ARKANSAS	ECTED T	urs	Vol.	0.05	3 %	55.0	. 85	EH	°,75	T • C D	isconti
BENT	FOR SEL	12 hours	Date	6-27	5 - 6	10-29	5-10	6-10	4-14	5-24	ecord d
XIMUM	VOLUME	urs	Vol.	0.05	50.5	5.00	.77	E4	.67	62°T	
NUAL MA	AXIMUM	6 hours	Date	6-27	9 - 6	10=29	5=10	6-10	4-14	5=c	4-1947.
TIME I	, M	urs	Vol.	°05	.0°	60° 0 ₽ ₽	.56	EH	.54	GT*T	air 194
ER HOUR		2 hours	Date	6-27	9-3	10-29	01-9	01=9	4-14	52=C	1943, f
NCHES F		ur	Vol.	40.	00.	02.	.41	EH	.49	•73	d 1938-
ES IN I		1 hour	Date	6-27	9-3	10-29	5-10	6=10	4-14	5-24	ds; goo
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ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-27	ۍ د م	10-20	5-10	6-10	4-14	5-24	s: Quality estimated.
ANNUAL		YEAR		1939	1940 e	1941	1943	1944	1945	1946 b	Notes: Quality of records; good 1938-1943, fair 1944-1947. estimated.

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	4	ys	Vol.	.27 .47	1.42	1,41	5	88	1.91	3.44				
Watershed W-4		8 days	Date	5-12	4-15	10-29	6	3-15	4-14	5-19				
Waters		ys	Vol.			16.		•44						
		2 days	Date	5-12	1-1	10-29	n I	3-15	4-14	5-24	947.			
SAS	ERVAL	ay	Vol.	.27		16. 8	# C +	•44			pt., 19			
, ARKAN	IME INT	l day	Date	5-12	1-1	10-29	n 1	3-15	2-20	5-24	ed 9 Se			
BENTONVILLE, ARKANSAS	ECTED T	ours	Vol.	.23	95	88		•44			scontinu			
BENT	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	4-5	1-1	10-29	h I	3-15	2-20	5-24	b - Record discontinued 9 Sept., 1947,			
XIMUM	VOLUME	urs	Vol.	.22			9	.41			b = Rec			
NUAL MA	AXIMUM	6 hours	Date	4-5	1-1	10-29	6	3-15	2=20	5-24	-1947.			
AND AN TIME I	M		Vol.	213			-1 -1 -2 -3 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	•20			r 1941-			
ER HOUR		r 2 hours	Date	4-5	4-15	10-29	1	3-15	4=14	5-24	940, faj			
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ES IN I		1 hour	Date	4-5	4-15	10-29	0	3-15	4-14	5=24	s; good			
DISCHARG	AUM	'RGE	Rate	908	.05	325	000	11.	G.	1,63	record			
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	4-5	4-15	10-29	n 	3-15	4-14	5=24	ality of			
ANNUAL N		YEAR		1939	1941	1942	L94.0	1944	1945	1946 b	Notes: Quality of records; good 1939-1940, fair 1941-1947.			

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		days	Vol.	2.28 2.25 2.52 2.52 4.60 6.25 6.25 1.05 1.05 1.96			
W-5		8 da	Date	6-21 8-27 10-29 5-9 3-15 5-24			
Watershed W-5	WATER	ys	Vol.	.69 1.96 2.05 3.34 6.19 6.19 1.89			
Wa		2 days	Date	6-27 8-31 10-30 10-29 5-9 6-10 6-10 5-24		1947.	
AS	TIME INTERVAL	lay	ay	Vol.	2,069 2,05 3,34 4,96 1,89 1,89 1,89		Record discontinued 9 Sept., 1947.
BENTONVILLE, ARKANSAS		1 d	Date	6-27 10-39 10-29 5-9 6-10 5-24		6 penu	
NVILLE,	ECTED T	urs	Vol.	.42 11.74 1.51 3.17 2.56 2.56 2.88 1.89		i sconti	
BENTO	BENTON FOR SELI	12 hours	Date	5-25 9-3 10-29 5-9 10-3 2-20 5-24		p prope	
XIMUMIX	AUNUAL MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INTERVALS VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS MAXIMUM MAXIMUM BENTONVILLE	urs	Vol.	.42 11.72 11.23 11.60 11.60 11.85 11.85		Ω	
NUAL MA NTERVAL		6 hours	Date	5-25 9-3 4-15 10-29 5-9 10-3 5-24		4-1947.	
AND AN	M	urs	Vol.	.42 1.31 .73 1.65 1.04 1.65 1.67	Š	sir 194	
ELECTEL		2 hours	Date	5-25 9-3 14-15 10-29 5-9 6-10 4-14 5-24		1943, 1	
NCHES F		ur	Vol.	.40 1.01 1.16 .61 .69 .34 1.38	0,000	d 1938-	
ES IN I		1 hour	Date	5-25 7-15 10-29 5-9 6-1 8-13 5-24 5-24		ds; goo	
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	2.00 1.29 1.34 1.34 .77 2.06		or recor	
AL MAXIMUM I	MAXIMUM	DISCHARGE	Date	5-25 7-15 10-29 5-9 8-13 5-24	1	Quality of records; good 1938-1943, tair 1944-1947.	
ANNUAL		YEAR		1939 1940 1941 1942 1943 1944 1946 1946 b	Works and the second se		

		Waters
		BENTONVILLE, ARKANSAS
2=58	AINUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM	VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS
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		days	Vol.	98 5.64 7.65 2.48	46.4 48.4 84.8	
9-M pe		8 de	Date	4-6 10-25 11-4 5-8 3-15	2 - 4 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9	
Watershed W-6		days	Vol.	3.75 3.75 7.49 1.29	8.00 0.00 0.00	
		2 de	Date	4-10 10-30 11-4 5-9 3-18	3-23-23	947.
NSAS TERVAL	ERVAL	ay	Vol.	94 2.99 3.51 5.23 1.03	3,21 2,25 3,25	ept., 1
NNUAL MAXIMUM BENTONVILLE, ARGANSAS INTERVALS MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	TME INT		Date	4-10 10-30 11-4 5-9 3-19	4-14	ned 9 S
			Vol.	2.93 2.20 2.71 .96	8 % 0 % 8 % 0 % 0 % 0 % 0 % 0 % 0 % 0 %	scontin
	12 hours	Date	4-10 4-15 11-4 5-9 2-28	4-14 5-24	cord di	
XIMUM	VOLUME	urs	Vol.	2.54 2.28 1.47	3.11 3.11	b - Re
INUAL MA	AXIMUM	sinou 9	Date	4-11 4-15 11-4 5-9 2-28	4 - 14 5 - 24	-1947.
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ER HOUR		2 hours	Date	4-11 4-15 4-27 5-9 10-3	4-14 5-24	.940, fa
NCHES FIS FOR S		ur	Vol.	.30 1.16 .94 .68	. 883	1939-1
ES IN I		l hour	Date	4-11 4-15 4-27 5-9 10-3	4-14 5-24	s; good
DISCHARG	AUM	NGE		2.17 1.81 .90	0.95°.	record
VAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAX.	MAXIMUM	DISCHARGE	Date	4-11 4-15 4-27 5-19	4 = 14 5 = 24	mality on
ANNUAL WAXIMM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1940 1941 1942 1943 1944	1946 b	Notes: Quality of records; good 1939-1940, fair 1941-1947, b - Record discontinued 9 Sept., 1947.
					6	

		ys	Vol.	2.43 2.43 1.46 1.46	1.12	.25 1.49 1.00	3.26	
I W-1		8 days	Date	6-7 5-18 4-21 9-24 6-12	5-14 10-31 3-25 7-28 6-20	7-19 7-19 5-19 5-19 8-18	5-9	
Watershed W-1		ys	Vol.	11 10 14 14 14 14 14 14	.85 1.86 .2.43 1.72	.25 1.48 .70	3.05	
Wa		2 days	Date	6-7 5-18 4-21 9-27 6-12	5-14 10-31 3-25 7-28 6-20	4-21 7-11 5-23 6-17 8-18	5-15	
AHOMA	ERVAL	ay	Vol.		.85 1.86 2.41 1.68	.25 1.48 .57e	3.05	
CHEROKEE, OKLAHOMA	IME INT	l day	Date	6-9 5-18 4-21 9-27 6-12	5-14 10-31 3-25 7-29 6-20	4-21 7-11 5-23 9-3 8-18	5-15	
CHEROK	urs	Vol.	5.5.01	.84 1.71 .78 2.41	.25 .36 1.48 .57e	2,99		
	INTUAL MAXIMUM CHEROKEE, OKLAHOM CHEROKEE, OKLAHOM AXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	6-9 5-18 4-21 9-27 6-12	5-15 10-31 3-25 7-29 6-20	4-21 7-1 5-23 9-3 8-18	5-15	
KIMUM	VOLUME 1	urs	Vol.	27. 1.38 1.37 47.	.64 1.71 .78 2.40 1.68	.19 .36 .82	5. 5.	mated.
AND ANNUAL MAXIMUM TIME INTERVALS	AXIMUM.	6 hours	Date	6-9 5-18 4-22 9-27 6-12	5-15 10-31 3-25 7-29 6-20	8-8 7-11 5-23 9-3 8-18	5-15	.ly esti
AND AN TIME I	M	hours	Vol.	12.27	1.54	. 19 44. . 79	5.00	Runoff partially estimated
PER HOUR SELECTED		2 ho	Date	6-9 5-18 4-22 9-27 6-12	5-15 10-31 3-25 7-29 6-20	8-8 7-12 5-23 8-18	5-15	Runoff
INCHES FOR S		ur	Vol.	25° 1.19 1.19 2.03	60 1.49 .71 2.23 1.53	.19 .77	1.97	д. е
ES IN I		l hour	Date	6-9 5-18 4-22 7-6 6-12	5-15 10-31 3-25 7-29 6-20	8-8 7-12 5-23 8-18	5-15	ds: good
DISCHARGES RUNOFF IN	MUM	ARGE	Rate	2.22 .56 .56 .3.29 4.05	2.66 6.77 3.04 3.21		3,49	f recor
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	6-9 5-18 10-2 3-19 5-14	5-15 3-25 7-29 6-20	8-8 7-12 5-23 6-19 8-18	5-15	Mality o
ANNUAL		YEAR		1942 1943 1944 1944 1945	1947 1948 1949 1950	1952 1953 1954 1955 1956	1957	Notes: Quality of records: good.

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		ys	Vol.		1.68 1.68 .888 2.46 3.18	.33e 1.54 1.79	38	pu
, çi		8 days	Date	6-7 5-18 4-21 4-10 6-12	5-14 10-31 3-25 7-28 6-20	8-8 7-11 5-23 6-27	5-15	rate a
Watershed W-2		ys	Vol.	1.07 1.05 1.34 1.34	90 1.68 67 2.13 1.86	.33e .76 1.54 .63	3.37	ve peak
Water		2 days	Date	6-7 5-18 4-21 4-14 6-12	5-14 10-31 3-25 7-28 6-20	8-8 7-11 5-23 5-18 6-27	5-15	hich ga
AHOMA	ERVAL	ay	Vol.	1.06 .51 2.33 1.01 7.2	.90 1.68 .67 2 1.81	.33e .76 1.54 .49	3.37	d - Record not useable due to mechanical failure on 8-8-52 which gave peak rate and arby stations. e - Runoff partially estimated.
CHEROKEE, OKLAHOMA	FOR SELECTED TIME INTERVAL	l day	Date	6-8 5-18 4-21 9-27 6-12	5-14 10-31 3-25 7-29 6-20	8-8 7-11 5-23 9-3 6-27	51-5	re on 8
CHEROKE	ECTED T	urs	Vol.	2.33 1.01 1.01	.90 1.56 .67 2.13 1.81	.33e 1.54 1.49	. 86	l failt
	FOR SEL	12 hours	Date	6-9 5-18 4-21 9-27 6-12	5-15 10-31 3-25 7-29 6-20	8-8 7-11 5-23 9-3 6-27	5-15	schanica ally est
XIMUM		urs	Vol.	.87 .51 1.68 1.00	67 1.56 67 2.13 1.81	.33e .70 .49	2,85	1e to me
NUAL MA	MAXIMUM VOLUME	6 hours	Date	6-9 5-18 4-22 9-27 6-12	5-15 10-31 3-25 7-29 6-20	8-8 7-11 5-23 9-3 6-27	5-15	seable due to mechanical fail
AND AN	×	urs	Vol.	.87 1.51 777	1.51 1.51 2.09 1.81	6. 97. 949. T	2, 2, 3, 3, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	not use
ER HOUF		2 hours	Date	6-9 5-18 4-22 4-15 6-12	5-15 10-31 3-25 7-29 6-20	7-12 5-23 6-4 6-27	5-15	Record
INCHES F		ur	Vol.	.86 .26 1.41 .69	.64 1.51 .66 2.07 1.65	.50 .77 .48	2.04	d. d - nearby
ES IN I		1 hour	Date	. 6-9 5-18 4-22 7-6 6-12	5-15 10-31 3-25 7-29 6-20	5-11 5-23 6-4 6-27	5-15	s: good.
DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MUM	ARGE	Rate	2.70 2.88 3.75 1.36	2.47 6.16 3.01 5.68 2.94	a95 2.11 3.30	3,36	7 of records: good. d - Record not 2 hour volumes at nearby stations.
AINUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-9 5-18 10-2 3-19 5-9	5-15 11-1 3-25 7-29 6-20	8-8 5-11 5-23 6-19 6-27	5-15	uality of 1 to 2 k
AMMUAL		YEAR		1942 1943 1944 1945 1946	1947 1948 1949 1950	1952 1953 1954 1955 1955	1957	Notes: Quality maximum 1 to 2

		days	Vol.	.65 .44 2.17 2.18 2.18	3.39 e 3.39 e 2.74	.36 .07 1.30 2.18 e	3.32		
Watershed W-3		8 da	Date	6-7 5-18 4-21 9-24 6-12	5-15 8-6 2-23 7-28 .6-20	4-21 5-11 5-19 5-11 6-27	5-15		
Waters		days	Vol.	2.01 2.01 2.18 5.05	1.84 1.84 1.97 1.59	.36 .07 1.26 1.12	3.28	-26-49.	
		2 da	Date	6-7 5-18 4-21 9-27 6-12	5-15 8-8 2-26 7-28 6-20	4-21 5-11 5-23 5-18 6-27	5-15	Peak rate equaled on 4-26-49.	
INTERVALS CHEROKEB, OKLAHOMA CHEROKEB, OKLAHOMA CHEROKEB, OKLAHOMA	ERVAL	lay	Vol.	64 43 2.01 2.18 .50	43 1.61 .79 1.97	.36 1.26 .96	3.28	e equal	
	IME INT	l day	Date	6-8 5-18 4-21 9-27 6-12	5-15 8-8 2-26 7-29 6-29	4-21 5-11 5-23 5-18 6-27	5-15	eak rat	
	ECTED T	urs	Vol.	.61 .43 .201 .201 .201 .50	.43 1.61 .66 1.97 1.59	.36 .07 1.26	2.64	0	
	FOR SEL	12 hours	Date	6-9 5-18 4-21 9-27 6-12	5-15 8-8 3-25 7-29 6-29	4-21 5-23 5-23 6-27	5-15	ilting.	
XIMUMIX	VOLUME	urs	Vol.	.61 .43 1.49 1.97	1.60 1.60 1.97 1.57	.07 .69 .91e	2,61	ue to s	
NUAL MA	AXIMUM Y	6 hours	Date	6-9 5-18 4-22 9-27 6-12	5-15 8-8 3-25 7-29 6-29	4-21 5-11 5-23 5-23 6-27	5-15	Partially estimated due to silting.	
AND AN TIME I	M	2 hours	Vol.	.61 1.37 1.19 1.19	1.53 1.53 1.53	.18 .007 .66	1.89	ly esti	
ER HOUR ELECTED			2 ho	2 ho	Date	6-9 5-18 4-22 9-27 6-12	5-15 11-1 3-25 7-29 6-20	4-21 5-11 5-23 6-18 6-27	5-15
NCHES P S FOR S		ur	Vol.	.59 1.23 1.23 .87	.40 1.32 1.57 1.68	12 007 55 79	1.84	0	
ES IN I		l hour	Date	6-9 5-18 4-22 9-27 6-12	5-15 11-1 3-25 7-29 6-20	4-21 5-11 6-14 6-18 6-27	5-15	s: good	
DISCHARG RUNOFF I	MUM	ARGE	Rate	1.31 .55 2.24 2.08	1.13 4.77 2.17 c 4.74 2.20		3.55	f record	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-9 5-18 4-22 3-19 5-9	5-15 11-1 3-25 7-29 6-20	8-8 5-11 5-23 6-19 6-27	51-5	Notes: Quality of records: good.	
ANNUAL	ANNUAL N VOLU			1942 1944 1944 1946 1946	1947 1948 1949 1950 1951	1952 1953 1954 1955 1956	1957	Notes: Q	

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		days	Vol.	1.07 .37 2.24 2.17 .47	3 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	.37 1.48 2.47 .01	3.59	
7-M		8 da	Date	9-25 5-18 4-21 9-24 6-12	5-15 8-6 3-25 7-25 6-24	4-21 5-11 5-19 5-11 8-18	5-15	
Watershed W-4		days	Vol.	1.07 .37 2.10 2.14 .47	.43 1.82 1.95 1.73	.37	3.55	
Wa		2 da	Date	10-3 5-18 4-21 9-27 6-12	5-15 8-8 3-25 7-28 6-29	4-21 5-11 5-23 5-18 8-18	5-15	
LAHOMA	ERVAL	ay	Vol.	1.07 .37 2.10 2.14	1.65	.37	3.55	
CHEROKEE, OKLAHOMA	IME INT	l day	Date	10-3 5-18 4-21 9-27 6-12	5-15 10-31 3-25 7-29 6-29	4-21 5-11 5-23 5-18 8-18	5-15	
CHEROK	SELECTED TIME INTERVAL	urs	Vol.	1.07 .35 2.10 2.14	1.65	1.09	2.89	
	FOR SEL	12 hours	Date	10-3 5-18 4-21 9-27 6-12	5-15 10-31 3-25 7-29 6-29	4-21 5-11 5-23 5-11 8-18	5-15	
XIMUM	VOLUME	urs	Vol.	1.07	1.65	26 00 00 10 00 10	2.86	imated.
NUAL MA	MAXIMUM VOLUME FOR	6 hours	Date	10-3 5-18 4-22 9-27 6-12	5-15 10-31 3-25 7-29 6-29	4-21 5-11 6-14 5-11 8-18	5-15	lly est
PER HOUR AND ANNUAL MAX SELECTED TIME INTERVALS	M	urs	Vol.	1.04	1.43 1.48 1.75 1.53	22.09	2.06	Runoff partially estimated.
ER HOUR		2 hours	Date	10-3 5-18 4-22 9-27 6-12	5-15 11-1 3-25 7-29 6-20	4-21 5-11 5-23 6-18 8-18	5-15	
NCHES P		ur	Vol.	1.31	.41 1.42 1.73 1.78	.15 .09 .66	2.01	ф. е
ES IN I		l hour	Date	10-3 5-18 4-22 9-27 6-12	5-15 11-1 3-25 7-29 6-20	4-21 5-11 6-14 6-18 8-18	5-15	ds: goo
DISCHARG RUNOFF I	MUM	ARGE	Rate	1.27	1.09 5.49 2.39 4.89	22.34	4.38	of recor
ANNUAL MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-9 5-18 4-22 3-19 5-9	5-15 111-1 4-26 7-29 6-20	8-8 5-11 6-14 6-18 8-18	5-15	Quality of records: good.
AINTUAL		YEAR		1942 1943 1944 1945	1947 1948 1949 1950	1952 1953 1954 1955 1956	1957	Notes:

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		.Vs	Vol.	.27 .02 1.98 1.09	2.51e 2.51e 2.72e 2.90	1.25 1.25 1.09	2.98	9-50
2		8 days	Date	4-6 5-18 4-21 4-10 5-9	5-15 8-6 3-25 7-29 6-24	4-21 7-11 5-23 6-17 8-18	6	on 7-2
Watershed W-5		days	Vol.	.27 .02 1.84 .96	1.47e 1.66 1.99e 1.68	1.55 1.25 1.69	2.90	failure
Water		2 da	Date	4-6 5-18 4-21 4-14 5-9	5-15 8-8 3-25 7-29 6-29	4-21 7-11 6-23 6-17 8-18	5-15	anical
MA	ERVAL	ау	Vol.	.27 .02 1.84 .86	1.46e 1.46e 1.99e 1.68	.15 .46 1.25 1.52	2.90	to mech
OKLAHO	TIME INTERVAL	l day	Date	4-6 5-18 4-21 4-15 5-9	5-15 8-8 3-25 7-29 6-29	4-21 7-11 6-23 9-3 8-18	5-15	le due
CHEROKEE, OKLAHOMA		urs	Vol.	.27 .02 1.84 .86 .17	1.46e	1.225 E	2.37	d - Record not useable due to mechanical failure on 7-29-50 arby stations.
E	FOR SEL	12 hours	Date	4-6 5-18 4-21 4-15 5-9	5-15 .8-8 3-25 7-29 6-29	4-21 7-11 5-23 9-3 8-18	5-15	cord no
X IMUM S	VOLUME]	urs	Vol.	.27 .02 1,42 .85	1.63	110 446 666 752	2,32	d - Rec
AND ANNUAL MAX. TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED	6 hours	Date	4-6 5-18 4-22 4-15	5-15 8-8 3-25 7-29 6-29	4-21 7-11 5-23 9-3 8-18	5-15	mated.
AND AN TIME I	M	urs	Vol.	.27 .01 1.30 .69	.41 1.17 .64 d	. 08 . 62 . 50 . 50	1.70	- Partially estimated.
PER HOUR SELECTED	-	2 hours	Date	4-6 5-18 4-22 4-15 5-9	5-15 11-1 3-25 7-29 6-20	4-21 7-11 5-23 6-18 8-18	5-15	Partial d 2 hou
NCHES P		ur	Vol.	42. 10. 11.1 57.	.37 1.15 .57 d	. 28 . 55 . 46	1,58	• e -
ES IN I		l hour	Date	4-6 5-18 4-22 4-15 5-9	5-15 11-1 3-25 7-29 6-20	4-21 7-11 5-23 6-18 8-18	5-15	s: good d maxim
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	AUM	ARGE.	Rate	.58 .01 .91 .53	.79 2.08 d 1.83	.15 .56 1.10 1.53	2,59	record
ANDUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	4-6 5-18 4-22 3-19 5-9	5-15 111-1 3-25 7-29 6-20	4-21 5-11 5-23 6-18 8-18	5-15	Notes: Quality of records: good. e - Partially estimated. d - Record no which gave peak rate and maximum 1 and 2 hour volumes at nearby stations
ANNUAL		YEAR		1942 1943 1944 1945 1946	1947 1948 1949 1950 1951	1952 1953 1954 1955 1956	1957	Notes: Q which g

Vollowes		_							
E FOR SELECTED TIME INTERVAL 12 hours 1 day 2 days Date Vol. Dat			ys	Vol.	2.45	3.01	.152	3.00	
E FOR SELECTED TIME INTERVAL 12 hours 1 day Date Vol. Date Vol. Da 6-9 .56 6-8 .58 4-21 2.17 4-21 2.17 9-27 1.28 6-12 .38 5-15 .68 5-15 .68 8-8 1.61 8-8 1.61 3-25 .82 3-27 1.28 6-29 1.56 6-29 1.56 4-21 .15 4-21 .15 10-25 .01 10-25 .01 10-25 .01 10-25 .01 5-23 2.71 6-23 2.71 6-23 2.71 6-23 2.71	9		8 da	Date	6-7 5-18 4-21 4-10 5-9	5-15 8-8 3-25 8-15 6-20	4-21 10-25 5-19 5-19 8-18	6-21	
E FOR SELECTED TIME INTERVAL 12 hours 1 day Date Vol. Date Vol. Da 6-9 .56 6-8 .58 4-21 2.17 4-21 2.17 9-27 1.28 6-12 .38 5-15 .68 5-15 .68 8-8 1.61 8-8 1.61 3-25 .82 3-27 1.28 6-29 1.56 6-29 1.56 4-21 .15 4-21 .15 10-25 .01 10-25 .01 10-25 .01 10-25 .01 5-23 2.71 6-23 2.71 6-23 2.71 6-23 2.71	shed W-		ys	Vol.					ole due
E FOR SELECTED TI 12 hours Date Vol. 6-9 5-18 6-12 9-27 1.28 6-12 38 5-15 6-29 1.56 4-21 10-25	Water		2 da	Date	6-7 5-18 4-21 9-27 6-12	5-15 8-8 3-25 8-17 6-20	4-21 10-25 5-23 6-17 8-18	6-23	ot useak
E FOR SELECTED TI 12 hours Date Vol. 6-9 5-18 6-12 9-27 1.28 6-12 38 5-15 6-29 1.56 4-21 10-25	AHOMA	ERVAL	ay	Vol.	.58 .07 2.17 1.28 .38	.68 1.61 .82 .70	11.26	2,71	scord no
E FOR SELECTED E FOR SELECTED 12 hours 6-9 .56 5-18 .07 4-21 .12 9-27 1.28 6-12 .38 5-15 .68 8-8 1.61 70 6-29 1.56 4-21 .15 10-25 .01 5-3 2.71 6-23 2.71 6-23 2.71	EE, OKL,	IME INI	1 d	Date	6-8 5-18 4-21 9-27 6-12	5-15 8-8 3-25 8-17 6-29	4-21 10-25 5-23 9-3 8-18	6-23	d - Restation
MXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INTERVALS	CHEROK		urs	Vol.	.56 .07 2.17 1.28 .38	68 1.61 .82 70 56	.15 .01 .26 .77	2.71	-17-50. nearby
MAXIMUM GES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS. MAXIMUM DISCHARGE Distance Rate Date Vol. Date Vol. Date Vol. 6-9 1.79 6-9 .56		FOR SEI	12 hc	Date	6-9 5-18 4-21 9-27 6-12	5-15 8-8 3-25 8-17 6-29	4-21 10-25 5-23 9-3 8-19	6-23	ed on 8 lume at
MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INTERVAL DISCHARGE District Rate Date Vol. Date Vol. Date C-9 .56 6-12 .37 6-12 .38 6-12 .37 6-12 .38 6-12 .58 11-1 1.34 11-1 1.40 8-8 8-17 .56 8-17 .56 8-17 .56 8-17 .56 8-17 .56 8-17 .56 8-17 .56 8-17 .56 8-17 .56 8-17 .56 8-17 .56 8-18 .02 10-25 .01	X IMUM S	VOLUME	urs	Vol.	.56 1.52 1.25 1.25	.58 1.61 .82 .70	21.	2.70	0 equal
MAXIMUM WAXIMUM DISCHARGE Date NAXIMUM DISCHARGE Date 1 hour 6-9 1.79 6-9 1.79 6-9 1.46 6-12 1.46 6-20 1.56 8-17 1.69	INUAL M	MUMITAN	6 hc	Date	6-9 5-18 4-22 9-27 6-12	5-15 8-8 3-25 8-17 6-20	8-8 10-25 5-23 9-3 8-19	6-23	7-29-5 and max
MXIMUM DISCHARGE IN INCHES FOR SELECTEI WXXIMUM DISCHARGE 6-9 1.79 6-9 1.79 6-9 1.79 6-9 1.42 2.46 4-22 2.46 4-12 3.48 4-12 1.44 5-13 1.44 6-12 3.73 6-12 1.45 6-12 3.73 9-25 5-13 1.46 6-12 3.73 9-25 5-13 1.46 8-13 7.29 1.46 8-13 8-25 8-14 8-8 8-11 8-8 8-14 8-8 8-11 8-8 8-8 8-14 8-15 8-16 8-16 8-16 8-16 8-16 8-16 8-16 8-16	AND AN	24	ours	Vol.	1.38 1.38 1.38	1.57 1.40 .80 .69 1.53	212	ਰ	rate of k rate
MAXIMUM DISCHARGES IN INCHES FOR E MAXIMUM DISCHARGE	ER HOUF		2 hc	Date	6-9 5-18 4-22 9-27 6=12	5-15 11-1 3-25 8-17 6-20	8-8 10-25 5-23 9-3 8-18		- Peak ave pea
MXIMUM DISCHARGES IN I INCHE MAXIMUM DISCHARGE Date Rate Date 6-9 1.79 6-9 5-18 2.25 5-18 4-22 2.65 3-49 3-48 5-9 1.46 6-12 5-15 1.97 5-15 11-1 5-58 11-15 5-2 1.46 8-17 6-20 2.62 6-20 8-8 447 8-8 8-18 8-8 447 8-8 6-18 8-18	INCHES I		ur	Vol.	.56 .05 1.08 .73			ਰ	od. c which g
MAXIMUM DISCHARGE Dister Rate 6-9 1.79 5-18 1.46 5-9 1.46 5-9 1.46 5-19 1.1-1 5.58 3-25 3.04 7-29 1.46 6-20 2.62 8-8 8-8 8-18 3.03 8-18 1.46 6-20 2.62 8-8 8-8 3.04 7-29 1.46 6-20 2.62 8-8 3.04 7-29 1.46 6-20 2.62 8-8 3.04 7-29 1.46 6-20 2.62 8-8 3.04 7-29 1.46 6-20 2.62 8-8 3.04 7-29 1.46 8-18 3.04 7-29 1.46 8-18 8-18 8-18 1.47 8-18 8-18 1.48 8-18 1.49 4	HES IN I		1 hc	Date	6-9 5-18 4-22 4-15 6-12	5-15 11-1 3-25 8-17 6-20	8-8 10-25 5-23 6-18 8-18		ds: go
MAXII MAXII Distered to 10 points of 10 poin	DISCHARC	MOW	JRGE	Rate	1.79 .22 2.65 3.48 1.46	1.97 5.58 3.04 1.46 c	1.62 1.62 2.48 2.48	ਰ	of recor
[경토]	AL MAXIMUM I	MAXI	DISCH	Date	6-9 5-18 4-22 3-19 5-9	5-15 11-1 3-25 7-29 6-20	8-8 6-23 5-23 6-18 8-18		Quality c
YEAR YOL 1942 1944 1944 1944 1946 1946 1947 1948 1952 1952 1953 1954 1955 1955 1957 Notes:	ANNUAL		YEAR		1942 1943 1944 1945 1946	1947 1948 1949 1950 1951	1952 1953 1954 1955 1955	1957	Notes: mechani

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		days	Vol.	.81 .21 .2.33 1.76 .48	3.75e 3.75e 1.86 3.02	2,5 1,31 2,56 10.01	00 * 1	
		8 da	Date	9-25 5-18 4-21 4-10 5-9	5-15 8-8 3-25 8-15 6-24	4-21 6-23 5-23 5-11 8-18	2-9	aled on
Watershed W-7		days	Vol.	.80 .21 .21 .1.57 .42	2.14e	.25 .01 .1.31 .47	3,63	was equ
Waters		2 da	Date	10-3 5-18 4-21 4-14 5-9	5-15 8-8 3-25 8-17 6-29	4-21 6-23 5-23 5-18 8-18	5-15	-23-53
HOMA	ERVAL	day	Vol.	.80 .21 .21 .28 .42	2.07e 2.07e 1.50 1.50	25.	3.63	- Peak rate of 6-23-53 was equaled
CHEROKEE, OKLAHOMA	TIME INTERVAL	1 à	Date	10-3 5-18 4-21 4-15 5-9	5-15 8-8 3-25 8-17 6-29	4-21 6-23 5-23 5-18 8-18	5-15	Peak ra
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	FOR SEL	12 hours	Date	10-3 5-18 4-21 4-15 5-9	5-15 8-8 3-25 8-17 6-29	4-21 6-23 5-23 5-11 8-18	51-5	silting
XIMUM S	VOLUME	urs	Vol.	.80 .21 .51 1.27 .42	2.07e 2.07e 1.60 1.69	.16 .01 .69 .1	2.86	due to
AND ANNUAL MAX. TIME INTERVALS	MAXIMUM VOLUME FOR	6 hours	Date	10-3 5-18 4-22 4-15 5-9	5-15 8-8 3-25 8-17 6-29	4-21 6-23 5-23 5-11 8-18	5-15	- Partially estimated due to silting.
AND AN	M	hours	Vol.	.76 .14 1.38 1.06	1.36 1.36 1.45 1.64	21. 100. 100. 100. 100. 100. 100. 100. 1	5.00	ally est
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NCHES F		ur	Vol.	.51 .14 .81 .81	1.28 1.28 1.30 1.42	.01 .03 .58	2.05	good. e
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MAXIMUM OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS MAXIMUM 150HARGE 1 hour 1	CHERC	FOR SELECTE	12 hours	Date Vol.	4-15 4-24 5-18 4-21	5-9 5-15 10-31 3-25 8-17	6-29 4-21 7-11 5-23	51-7
MUN DISCHARGES IN INCHES FOR SELECTED TIME IN MINISTER IN MINI	NUAL MAXIMUM NTERVALS	AXIMUM VOLUME	6 hours	-				
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		ys	Vol.	70 04 e 2 02 99 39	1.80e 1.80e .42 .42	.09 .04 1.15 1.29	4.39	
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Water		2 days	Date	6-9 5-18 4-21 4-14 5-9	5-15 10-31 3-25 8-17 6-29	4-21 7-11 5-23 5-18	5-15	
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CHI	FOR SELECTED	12 hours	Date	6-9 5-18 4-21 4-15 5-9	5-15 10-31 3-25 8-17 6-29	4-21 7-11 5-23 9-3	5-15	
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our 2 hours 6 hours 12 hours 1 day 2 days 8 days Vol. Date	MAXIMUM					M	AXIMUM.	VOLUME :			IME INT	ERVAL				
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79 4-16 .86 4-16 .86 4-16 .86 4-16 .86 4-16 .86 4-16 .86 4-16 .86 4-16 .86 6-24 2.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68 6-13 3.68	Rate Da	æ	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
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1,75 9-10 2,54 9-10 2,51 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-9 5,08 9-8 5,08 9-9 5,08 9-9 5,08 9-8 5,08 9-9 5,08 9-8 5,08 9-9 5,08 9-8 5,08 9-9 5,08 9-8 5,08 9-8 5,08 9-9 5,08 9-8 5,08 9-9 5,08 9-8 5,08 9-9 5,08 9-8 5,08 9-9 5,08 9-8 5,09 8-8 5,09 8-8 5,09 8-8 5,09 8-8 5.09 8-8 5.09 8-8 5.09 8-8 5.09 8-8 5.09 8-8 5.09 8-10 <td< td=""><td></td><td>ໍດໍາ</td><td>13</td><td>°79</td><td>5-13</td><td>°85</td><td>5-13</td><td>98°</td><td>5-13</td><td>98°</td><td>5-13</td><td>•86</td><td>5-13</td><td>98°</td><td>5-13</td><td>98°</td></td<>		ໍດໍາ	13	°79	5-13	°85	5-13	98°	5-13	98°	5-13	• 8 6	5-13	98°	5-13	98°
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*44 8-21 *65 4-3 *57 8-20 *99 8-20 8-20 8-20 *99 8-20 <td>4.49</td> <td>ď</td> <td>27</td> <td>82</td> <td>9-27</td> <td>96</td> <td>22</td> <td>1.07</td> <td>5-8</td> <td>1.46</td> <td>5-8</td> <td>1,46</td> <td>5-8</td> <td>1,46</td> <td>9-23</td> <td>2,14</td>	4.49	ď	27	82	9-27	96	22	1.07	5-8	1.46	5-8	1,46	5-8	1,46	9-23	2,14
*64 5-22 *80 5-22 1-07 3-26 2-01 3-26 2-69 3-26 2-69 3-26 2-69 3-26 2-69 3-26 2-69 3-26 2-69 3-26 2-69 3-27 3-36 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-4 3-27 3-27 3-4 3-27 3-27 3-4 3-27 3-27 3-27 3-27 3-27	4.07	4	ı M	44	8	22	4=3	52	4=3	57	8-20	66*	8-20	66°	8-20	66°
.52 8-22 .53 5-11 .59 5-11 .99 5-11 .99 5-11 .99 5-7 .66 5-8 .75 5-8 .93 5-8 1,01 5-8 1,01 5-8 1,01 5-9 5-11 .99 5-7 .66 5-8 .75 5-8 .92 2-2 9-4 2.32	8 8	1 16	200	64	5=22	8	5=22	1.07	3-26	2.01	3-26	2.69	3-26	2.69	3-26	2,69
3.66 5-8 .75 5-8 .93 5-8 1.01 5-8 1.01 5-8 1.01 11-20 1,20 9-5 1,26 9-4 2.32 10-10 9-3 10-10 9-3 10-10 9-3 10-10 9-3	200	o &	25	525	8=22	525	8=22	553	5-11	62.	5-11	.59	5-11	° 94	2-2	1,07
1,20 9-5 1,556 9-5 2,26 9-4 2,332 9-4 2,332 9-4 2,332 9-4 3 1,08 4-18 1,08 4-7 1,18	5-8 2,39 5-	ري دي د	0	99°	2-8	•75	5-8	.93	5-8	1001	5-8	1.01	5=8	1,01	11-20	1.02
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.52 4-9 .60 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-10 .92 10-20 .92 10-10 .92 10-10 .92 10-21 10-21 10-21 10-21 10-21 10-21 10-21 10-21 10-21	86*	ش	6	•37	91 10	·47	5=9	• 92	0 =0	1,1	5-6	1.34	2-0	1.34	5=0	1.95
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50 5-6 .57 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-6 .68 5-7 .69 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 1,05 4-8 5-17 4-8 6-22 1,28 6-22 1,28 6-10 1,01 4-8 5-17 4-8 5-17 4-8 5-17 4-8 5-17 4-8 5-17 4-8 5-17 4-8 5-17 4-8 5-17 4-8 5-17 4-8 5-17 4-8 <th< td=""><td>6-21 4.35 6</td><td>Ó</td><td>-21</td><td>1,32</td><td>6-21</td><td>1,39</td><td>6-21</td><td>1.51</td><td>6-21</td><td>1.51</td><td>6-21</td><td>1,51</td><td>6-21</td><td>1.51</td><td>6-21</td><td>2.19</td></th<>	6-21 4.35 6	Ó	-21	1,32	6-21	1,39	6-21	1.51	6-21	1.51	6-21	1,51	6-21	1.51	6-21	2.19
*50 5-6 *57 5-6 *68 5-6 *69 <td></td>																
33 6-22 4-8 1.04 4-8 1.05 4-8 1.05 4-8 1.05 4-1 1.45 4-8 1.05 4.2 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-22 1.28 6-10 1.03 8-10 1.01 6-10 1.01 6-10 1.01 6-10 1.03 8-10 1.02 8-10 1.03 8-10	2,32 5-	ດໍາ	9	.50	5=6	•57	2=6	•57	2=0	89°	2-6	68	2-9	.68	2	89
3.3 6-22	2.86	4	ထ္	66°	4-8	1,04	4-8	1,05	4=8	1.05	4=8	1.05	4-11	1.43	φ- Ω-	3,00
1,32 5-18 2,74 5-18 4,33 5-18 4,33 5-18 4,33 5-17 4,83 5-17 3,33 5	1.55	9	22	•33	6=22	•45	6-22	1.12	77-9	T.28	22-9	1.28	22-9	7°79	22=9	1.20 1.20
3.74 6-10 3.98 6-10 1.01 6-10 1.01 6-10 1.01 6-10 1.01 6-10 1.02 8-10 1.03 8-10 1.03 8-10 1.03 8-10	5.27		87	T • 32	2 - C	7 ° 7	2=T8	4.55	2=TQ	4 .55	2 T-C	4.00) T= C	4.00	2T=C	0.00
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		days	Vol.	°78	3.53	2.52	.62	3.01	1.91	1.41	1.47	1.97	06°		1.40	3,26	T.59	3°50	1.58	2.96	1.29	5,99	3.66	8.37	1.75	2.68				qualled 5-12-39.
		8 da	Date	5-10	11-16	6-23	3-5	6-6	91-9	9-23	8-20	3-26	5-11		02=TT	di 1	4=1	2=16	10-3	9=28	4-28	4-8	6-22	5-17	0[=9	6-10				of 0.17"/hr. equalled on 5-12-39
3d 3		/8	Vol.	.61	e7.	2.29	.62	3,01	1,11	83	1.47	1.97	e78		1.28 2.28 1.00	76°T	1.059	5°09	1.23	2.84	1.21	3.34	3.66	7.18	1 75	1,79				0.17"/h
Watershed		2 days	Date	6-17	4-16	6-23	3-5	6 6	6-21	9-23	8-20	3-26	5-11		TT=25°	p .	7	2=0	10-10	9=28	2-6	4-11	6-22	5-17	0	6-10				ate of (
-	INTERVAL	ay.	Vol.	.61	e7.	2.24	•62	3.01	1,11	.83	1,93	1.51	e49		27°T	76°T	72°T	1.94	1.23	1.58	1,21	1,56	3.66	5.80	1.75	1.75				c=2 Peak rate 951.
LAHOMA	TIME INT	l day	Date	5-17	4-16	6-24	3-5	6-6	6-21	9-23	8-20	3-27	5-12		G 2-11	9	4 T S	2-6 2-6	10-10	9=29	2-6	4-8	6-22	5-18	0[-9	6-10				-
FUTHRIE, OKLAHOMA	SELECTED TO	ırs	Vol.	.61	e79	2°54	°62	2 . 93	1,11	.83	1,16	1.37	•48		700.	76°T				1.45	1,21	1,56	3.53	5.80	٦ 7 ١	1.73				7-5-32. Dec. 31.
GULI	FOR SELE	12 hours	Date	5-17	4-16	6-24	3-5	6-6	6-21	9-23	8-20	3-27	5-12	;	CZ-TT	G .	4-18	6 -0	10-10	9-29	2-6	4-8	6-22	5-18	0[19	6-10				69"/hr. equalled on Record discontinued
TIMOM		ırs	Vol.	.61	°79	2.24	• 20	2.75	1.11	°78	1.00	1,01	•42		2/0	\$' :	1.08	1,23	1,19	1,01	.94	1,51	2.44	5.80	١ 7/	1.67				. equa.
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	5-17	4-16	6-24	3-5	9-10	6-21	9-23	8-20	5-22	5-12		11-25 1-25	G .	4-18	മ - വ	10-10	6-10	5-6	4-8	6-22	5-18	0	6-10				2.69"/hr. equalled - Record discontinu
	W	hours	Vol.	.61	.73	1,98	.45	2.40	96°	• 56	.81	69°	•24	1	92.0	T 003	φ. 4 α	•54	86.	96	.79	1.29	1,11	3.33	הר	1,30	_			of of
PER HOUR SELECTED		2 hor	Date	5-17	4-16	6-24	5-13	9-10	6-21	9-23	8-20	5-22	5-12		22-II	6-5	4 I	6=3	10-10	6-10	2-9	4-8	6-22	5-18	0[-9	6-10				records; Good. c-1 Peak rate 1.23" /hr. equalled on 6-26-45.
		n	Vol.	•55	99°	1,26	39	1.80	69*	.43	• 56	°44	•15		25.0	• 56		-		276	.41	1.07	89	2.26	76	06.		-		1. c-1
ES IN INCHES		l hour	Date	5-17	4-16	6-24	5-13	9-10	9-1	9-23	8-20	5-22	5-12		42-TT	9=5	4-18	6-0 2-0	10-10	6-10	2	4-8	6=22	5-18	טניש	6-10				s; Good.
DISCHARGES RUNOFF IN	MC	RGE	Rate	.63	2°03	2,69	1.17	2.40	2,16	°85				_	628		_	_				1,89	.74	2.79	0.0	1,27				
ANYUAL MAXIMUM DISCHARGES IN INCHES VOLUMES OF RUNOFF IN INCHES FOR	MAXIMUM	DISCHARGE	Date	5-17	4-16	6-24	5-13	9-10	6-21	9-56	8-20	5-22	5-110-5	4	χ (1	9-5	4-18	2=0	10-10	6-100-3	5-6	4-8	6-22	5-19	0[.9	6-10				Quality of
ANNUAL P		YEAR		1930	1931	1932	1933	1934	1935	1936	1937	1938	1939		1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	10,50	1951				Notes: Quality c-3 Peak rate

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		ys	Vol.	°08	.39	.10	1,30	•46	.01	0	.03	0	•01	.12		09.	00	• 32	0	1,42	.10	3,83	₽			.14		9+0	3	
		8 days	Date	11-16	6-23	3-5	9-10	3-23	5=8		3-26		2 2 2	10-28		5-17	49	6-21		4-8	6-22	5-18	6-10	6-10	22 6	7-12		on 4-7 and 4-18. Peak rate	4 50 4	
shed 4		ys	Vol.	.07	•39	010	1,30	•46	.01	0	003	0	00	.12		09*	00	• 30	0	1,00						.14		A 4=18) 1 1 1 1	
Watershed		2 days	Date	11-22	6-23	3-5	9-10	3-23	5-8		3-26		2-8	10-28		5-17	4=9	6-21		5=15	6-22	5-18	6=10	01-9	7 C	7-12		A=7 or	1 ±=1 4	
	ERVAL	day	Vol.	90°	•38	010	1.30	•46	.01	0	003	0	0.	010		• 59	000	• 30	0	1,00	010	3.55	EH	[0,	- E-	-14		Donned or	31, 195	
OKLAHOMA	TIME INTERVAL	1 0	Date	4-25	6-24	3=5	9-10	3-23	5-8		3-26		о 1 3	4	,	5-17	4-9	6-21		5=15	6-22	5-18	6-10	0[=9	10 10	7=12		100	Fecord discontinued December 31, 1953.	
GUTHRIE, (SELECTED T	urs	Vol.	90°	.38	010	1,30	•46	0.	0	•03	0	.01	010		• 55	00	930	0	• 55	010	3,55	H	10.	- E-	-14		1	inued De	
GUI	FOR SEL	12 hours	Date	4-25	6-24	3-5	9-10	3-23	5-8		3-26		 8 	5-4		5-18	4-9	6-21		4-13	6-22	5=18	6=10	0[-9	100	7=12		5-22-38	li sconti	
XIMUM		urs	Vol.	90°	•38	90°	1,29	.35	000	0	003	0	•01	010		°48	00	•29	0	.47	010	3,48	H	٥,	E-	.14			Record (
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	4-25	6=24	3-5	9-10	3-23	5-8		3-26		2-8	4		5=18	4=9	6-21		4=13	6-22	5=18	6-10	0[=9	2 10 10 10 10 10 10 10 10 10 10 10 10 10	7=12		onialled on	d Q	
	×	hours	Vol.	•05	•35	*0°	1,20	.23	.01	0	00	0	0.	90		.23	0.	.19	0	.26	80°	2.33	H	10	l) • E-	.13		Dool mate me	timated	
PER HOUR SELECTED		2 ho	Date	4-25	6-24	3-30	9-10	3-23	5-8		5-22		2-8	5-4	,	5-18	6=5	6-21		4=15	6-22	5-18	6-10	0[=9	100	7-12		Dook "	t be es	
		ur	Vol.	•04	.29	\$0°	° 95	•14	.01	0	.01	0	H	.03		,12	•01	•13	0	,16	°05	1,29	H	10	-	.12			s canno	
		1 hour	Date	4-25	6-24	3-30	9-10	3-23	5-8		3-26		2-8	4		5-18	49	6-21		4-15	6-22	5-18	6-10	01-9	5=23	7-12		М	Volumes	
DISCHARGES IN INCHES RUNGEF IN INCHES FOR	AUM	RGE	Rate	.14	.72	.11	1,19	020	0.01	0	00	0	0.	40	.36 d	.13	000	°18	0	.17	90°	2,12	•01	205	2	.29		- wooday	stage.)
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 3	MAXIMUM	DISCHARGE	Date	4-16	6-24	3-30	9-10	3 * 23	2-8		3-26₪		ω 10 10 10 10 10 10 10 10 10 10 10 10 10	4	4-18	5-18	4=9	6=21		4-15	6-22	5-19	6=10	0[-8	50 E	7=12		134.11 04	lotes: Quality of records; good. c - reak face was taken from peak stage. Volumes cannot be estimated.	
ANNUAL A		YEAR		1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953 H		Market	Notes: Wu taken fr	
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ANNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARG RUNOFF I	ES IN I	NCHES E	ER HOUR	AND AN	NUAL MA	XIMUM	GULI	GUTHRIE, OKLAHOMA	CLAHOMA		Watershed	shed 5		
	MAXIMUM	MUM				24	MAXIMUM VOLUME	VOLUME	FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ŭr	2 hours	urs	6 hours	urs	12 hours	urs	1 day	ay	2 days	ys	8 days	sk.
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1931 1932	4-16 6-24	1.21	4-16	.38	4-16 6-24	.41	4-25	.60 1.51	4-25	.66 1.51	4-25	.66	11-22	1.21	11-16	1,28
1933	9-10	P 3.12	9-10	p 1.54	9=10	p 1,79	9-10	p 1.87	6-6	1.98	o 0	p 1.98	6-6	1.98	6	
1936	1 2 6 0 6	92°	2 2 2	, v	2=8	.41	2 8	92.	2-8	06.	2 G	02.	5-8	06.	0 I P	
1937	6-13	25.00	8-21	.10	8-21	15	8-21	15	6-21	.15 8,2	8-20	.18	8-20	•18 818	8-20	.18
1939	8-22	.14	8-22	90	8-22	90°	8=22	90°	8-22	90	8=22	90	8=22	90	8=22	
T340.	Σ 1 1	900	Ω • •	922	υ Β	05.	2 = 2	555	GZ=11	•43	GZ=11	•44	11=25	•44	11=20	
1941 1942 1943	5-4 4-18	1.84	5-4 4-18	. 66 x	5-4 4-18	1.04	5-4 4-18	1.09	5-4 4-18	1.11	5-4	1.11	5-4	1.11	9-5	1.27
1944	4-9	3.20	4-9 6-21	1.06	4-9 6-21	.43	5-26	.53	5-26	983	5-26	63	5-26	63	5-26	
1946	4	1.10	ر ا ا	96	ر ا	0 %	4	, r	 		1 1 4		1 1 4		2 2 7	
1947 b	4-8	1.46	4-8	9.	4=8	65	4-8	.73	4-12	•76	4-11	1.12	4-11	1.79	4-8	3,10
Notes: (Votes: Qmality of records: good. b - Record and volume producing storm at nearby station.	of record	ds: god orm at r	good. b	- Record	d disco.	ntinued	Dec. 3	- Record discontinued Dec. 31, 1947.	ρ,	No recor	rd on 3-	No record on 3-5-33, the date of peak	he date	of pes	¥

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		days	Vol.	0 0 0 10	1.08 .68 .02 .02	1.22 .01 3.73 .13	EH O	uo
		8 ds	Date	5-8 10-28	4-18 5-17 5-26 5-6	4-8 6-22 5-17 8-1 6-10	52-53	
I-M per		days	Vol.	0 0 0 10	00° 00° 00° 00° 00° 00° 00° 00° 00° 00°	.95 .01 3.44 .13	H 0	, recor
Watershed W-I		2 de	Date	5-8 10-28	4-18 5-17 5-26 5-6	4-11 6-22 5-17 8-1 6-10	5 2 2	d - Rocord not useable, record lost ontinued Dec. 31, 1953.
8	ERVAL	ay	Vol.	0 0 0 10 10	. 91 . 64 . 02 . 02	.65 .01 3.43 .13	H 0	rd not Dec. 3
OKLAHOM	TIME INTERVAL	l day	Date	5-8	4-18 5-18 5-26 5-26	5-15 6-22 5-18 8-1 6-10	2 2 1	- Reco
GUTHRIE, OKLAHOMA	ECTED T	urs	Vol.	0 0 0 H .	. 91 . 64 . 02 d	.61 .03 .13 .13	E4 O	1 % 1
GU	FOR SELECTED	12 hours	Date	5-8 10-28	5-18 5-18 5-26 5-6	5-15 6-22 5-13 8-1 6-10	5-23	ed on 6 - Recor
KIMUM	VOLUME	urs	Vol.	000H *	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.47 3.43 13	EH O	1 00
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	5-8 10-28	4-18 5-18 5-26 5-6	5-15 6-22 5-18 8-1 6-10	5-23	5-8 was statio
AND AND TIME II	W	hours	Vol.	000 H 000	. 49 . 31 . 02	.33 .01 .2.20 .13	E-I O	c - Peak rate of 5-8 was equalled on 6-10. volumes for nearby stations. b - Record dis
PER HOUR SELECTED		2 ho	Date	9 cs - 1 - 1 - 2 - 3	4-18 5-18 5-26	5-15 6-23 5-18 8-1 6-10	5-23	Peak r
NCHES PI S FOR SI		ır	Vol.	000H	.39 .16 .01	.26 .01 1.60 .08	HО	P
SS IN II		1 hour	Date	9 - 8	4-18 5-18 5-26	5-15 6-23 5-18 8-1 6-10	ය ද	s: good.
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	UM	RGE	Rate	0 0 0 0.01	20° 54 20° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5	.46 .02 .19 .12	E4 O	of records: good.
AL MAXIMUM D	MAXIMUM	DISCHARGE	Date	0 =2 6	4 4 13 11 8 6 1 18 8 6 9 1 18	5-15 6-23 5-19 8-1 6-10	5-23	1
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR VOLUMES OF RUNGEF IN INCHES FOR SELECTED		YEAR		1937 1938 1939 1940	1942 1943 1944 1945	1947 1948 1949 1950	1952 1953 b	Notes: Quality 6-21-45 which

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		days	Vol.	.28	.22	•03	H D E-I	.71	.07	9 6	ָּהָ רָנָ מַלְינָי		E⊣ E	-1 0	000		75
H		8 da	Date	4-18	5-16	4=9 6=2	2-9	4-8	6-22	,	8-I 6-10		3-9 1	0	5-19		s recor
Watershed W-II		ув	Vol.	.28	.22	0.03	H 3 • E⊣	.41	, 07	9	11.		E⊣ E	۰ ٥	•05		able, a 1, 1955
Waters		2 days	Date	4-18	5-17	4=9 [%=%	2 9	4-11	6-22		6-10		0-5 0-1	Ω Θ	5-19		on 7-21-50. d - Record not useable, as record b - Record discontinued Dec. 31, 1955.
	ERVAL	ay	Vol.	.27	.21	0.03	e E⊣ 5 4	.27	20.	9 6	11.		E⊣ E	۰ ٥	•02		Record atinued
TAHOTA	IME INT	l day	Date	4-18	5-18	9 4 6 9 6 6	9 2	5-15	6-22	ć	6-10		3-9	0 0	5=19	,	
GUTHRIE, OKLAHOMA	SCIED I	ırs	Vol.	.27	•18	0.03	# 3 • E⊣	•26	.07	9 6	\$ T		E⊣ E	۰ ۰	•05		7-21-50, - Record
GULI	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	4-18	5-18	4 = 9 [2=	ည်	4-12	6-22		6-10		8-8	Ω 	5=19		l .
KIMUMIX	VOLUME 1	ırs	Vol.	•26	.17	•03	e E⊣ 1 k	•24	£0°	9 6	11.		€ €	۰ ،	000		s equal.
AND ANNUAL MAX' TIME INTERVALS	AXIMUM 1	6 hours	Date	4-18	5-18	6-9	2-0-1	4-12	6-22		6-10		3-9	Ω 	5-19		.06 wane
AND AN	M	hours	Vol.	,14	60°	0.03	e E⊣ 3	.11	90°	9	20.		E-1 E	- 0	•05		good. c - Peak rate of .06 was equalled on 7-21-50. peak producing storm at nearby stations. b - Record
ER HOUR		2 ho	Date	4-18	5-18	6-9	2 9	4-12	6-23		6-10		6-60	n 	5-19		- Peak ucing s
NCHES PI S FOR SI		ır	Vol.	.11	•05	0.03	. E⊣	010	\$0°,	9 6	.11		E⊣ E	4 0	•05		good. c
ES IN I		1 hour	Date	4-18	5-18	4-9 -2	2-6	4-8	6-23		6-10		3-9	n 	5-19		ds: go
DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	MU	GE	Rate	1.66	90°	01.	0.05	.27	•10	ď	0 80	-	E (000	0.08		f recor
AL MAXIMUM D VOLUMES OF R	MAXIMUM	DISCHARGE	Date	4-18	5-18	4-9	9 2	4-8	6-23		6-10 6-10		0 1 0 0 1	n 	5-19		Quality of records: or 5-18-49 which gave
ANNUAL WAXIMIM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMIM VOLUMES OF RUNCEY IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1942	1943	1944	1946	1947	1948	1949	1991		1952	1954	1955 b		Notes: Quality of records: lost for 5-18-49 which gave

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2-5	L

ANTUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	S IN I	NCHES E	ER HOUR	AND AN	INUAL MA	XIMUM	GUI	GUTHRIE, OKLAHOMA	KLAHOM		Waters	Watershed W-III	Н	
	-		6	_	MXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL			d	
	That's	Vol	Date Vo	Vol	Date Vo	urs	Date Vo	urs	1 day	ay	2 days	LyB	8 days	yB
'	9 -	1	9	2	0 5	95			200		2000	1 20	א מיני	1 07.
	4 C	40	2-10	5.54	5=9	01°T	2 = 1 2 = 3	1,20	2=0 5=0	1.28	5=17	1.41	5=16	1.67
	0 = 4	520	5-26	202	5-26	9.76	5-26	833	5-26	84	5=26	- 84	5-26	8
	6-21	1,19	6-21	1,30	6-21	1,41	6-21	1,42	6-21	1,42	6-21	1,42	6-21	2 .03
	5=6	•20	11=2	.22	2	•33	5-6	•33	9	•33	2-6	•33	11-2	•43
	4-8	06	4 8=8	96	4	96	5=15	1.21	5-15	1.30	4-11	2,15	4=8	3.72
	6-23	623	6-23	1,06	6=22	1.64	6-22	1.97	6-22	1.97	6-22	1.97	6-22	1.97
	5=18	2.57	5-18	3,23	5-18	5.06	5-18	5,06	5-18	5,06	5-17	5,59	5-17	6.30
	6-10	.87	6-10	1,17	6-10	1,24	6-10	1,24	6-10	1,24	6-10	1,24	2-10	1,24
	6-10	1,09	01-9	1,16	6-10	1,18	6-10	1,18	6-10	1,18	6-10	1.18	6=10	1,49
	8	.11	3-10	.15	3-10	.21	3=10	.23	3-9	.41	3-9	.42	3-9	.42
	12-2	02.	12-2	.21	12-2	.21	12-2	12.	12-2	.21	10-23	.28	10-23	22 83
P	Quality of records: go	good. b	b - Record discontinued Dec. 31, 1953	d disco	ntinued	Dec. 3	1, 1953,							

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			ув	Vol.	1.65	1.31	2 2 2 1 2 2 4 6 1 2 2 3 3 4 6 1 2 3 3 4 6 1 2 3 3 1 2 3 3 1 2 3 3 1 3 1 3 1 3 1 3	. 38 88	
0			8 двув	Date	5-16	6-10	6-22 5-17 6-10 6-10	3-9 8-18	
ø	Watershed W=V		ys	Vol.	1.65	1.06	2.15 2.20 4.81 1.23	85. 88. 89.	
d	Waters		2 days	Date	5-17	6-10	4-11 6-22 5-17 6-10	3-9	
		ERVAL	ay	Vol.	1.05	1.04	1,00 4,00 4,00 4,00 1,00 1,00 1,00 1,00	35. 88.	
	KLAHOMA	IME INT	l day	Date	5-17	6-10	4-12 6-22 5-18 6-10	3-9 8-18	
	GUTHRIE, OKLAHOMA	ECTED T	urs	Vol.	1.05	1.04	1.04	.21	
	GUL	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	5-18	6-10	4-12 6-22 5-18 6-10	3-10	, 1953.
	KIMUM	VOLUME	urs	Vol.	1.03	1.04	.85 1.81 1.23	188	Dec. 31
	AND ANNUAL MAXIMUM TIME INTERVALS	AX IDMUM	6 hours	Date	5-18	6-10	4-8 6-22 5-18 6-10	3-10	tinued
		M	hours	Vol.	.79 .54	31	1.04 1.15 1.15	15	- Record discontinued Dec. 31, 1953.
	PER HOUR SELECTED		2 ho	Date	5-18	6-10	4-8 6-23 5-18 6-10	3-10	Record
	IN INCHES P		ur	Vol.	.71	2 8 21 8 22	2 .08 2 .08 82 87	. 523	م
	ES IN I		1 hour	Date	4-18 5-18	6-10	4-8 6-23 5-18 6-10	5-23	• poog • s
	DISCHARGES IN INCHES FER HOUR RUNOFF IN INCHES FOR SELECTED	IUM	RGE	Rate	1.40	1.44	1.73 .97 3.45 1.09	08.	records
	AL MAXIMUM D VOLUMES OF R	MAXIMUM	DISCHARGE	Date	5-9	9-29	4-8 6-23 5-19 7-21 8-10	5-23 8-18	ality of
2-58	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN 1		YEAR		1942	1945	1947 1948 1949 1950	1952 1953 b	Notes: Quality of

	VOLUMES OF	RUNOFF IN	IN INCHE	INCHES FOR S	SELECTED	TIME	VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	S	GUL	GUTHRIE, OKLAHOMA	KLAHOMA		Wate
	MAXIMUM	DMUM				2	MAXIMUM VOLUME	VOLUME	FOR	SELECTED T	TIME IN	INTERNAL	
YEAR	DISCHARGE	IARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	1 day	ay	a
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date
1942	4-18	.42	4-18	•26	4-18	•39	4-9	.70	4-9	88	4-8	. 94	4-7
23	5-21	.19	5-21	.15	5-21	.27	5-21	.52	5-21	.57	5-20	9.	5-19
4	4-10	.31	5-26	.23	5-26	.28	5-26	•30	5-26	•32	5-26	.32	5-26
1945	6-21	1.30	6-21	•62	6-21	.71	6-21	•78	6-21	.78	6-21	.78	6-2
9	2-6	•18	2-6	•08	5-6	60°	2-6	.10	2-6	.12	2-6	.12	2-6
1947	4-8	95	4-8	.45	4-8	48	4-8	.49	5-15	.54	5-15	.61	4-11
1948	6-23	•24	6-23	•17	6-23	.31	6-22	•44	6-22	.57	6-22	.57	6-2
6	5-19	2.84	5-18	1,62	5-18	2,17	5-18	3,39	5-18	3.40	5-18	3,40	5-1
0	6-10	•34	6-10	•25	6-10	•34	6-10	.37	6-10	•37	6-10	.37	6-10
-	6-10	•73	6-10	•46	6-10	. 52	6-10	• 55	6-10	• 55	6-10	.55	6-10
83	8-8	•03	8-8	°05	8=8	•05	5-23	•03	5-23	03	5-23	.03	5-2
1953	8-18	•30	8-18	.18	8-18	.24	8-18	.25	8-18	.25	8-18	.25	8-1
4	5-2	*08	5-2	•03	2-5	8	5-2	.04	2-5	80	2-5	•04	5=2
1955 b	5-18	.23	5-18	.13	5-18	•16	5-18	•19	5-18	•19	5-18	.19	5-1

1.13 .85 .32 1.09

4-7 5-16 5-26 6-21 11-2

1.13 .77 .32 .78

8 days

ershed W-VI

Date

Vol.

1.73 .57 3.88 .37

4-8 6-22 5-17 6-10 6-10

.94 .57 .3.53 .37 0.05 0.05 0.05 0.05

5-17 8-18 4-30 5-18

Record discontinued Dec. 31, 1955. 0 D, good. records; Quality of Notes:



ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OR RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1940 1 1941 1 1942 1 1943 1 1946 b	Workers
XIMUM ES OF	MAXIMUM	DISCHARGE	Date	11-22 4-18 11-17 5-9 3-15 4-14 6-30	
AL MAXIMUM DISCHARGES IN INCHES VOLUMES OF RUNOFF IN INCHES FOR	MUM	ARGE	Rate	1.26 1.03 1.03 1.50 2.32 2.32 4.00	
ES IN I		1 hour	Date	11-22 10-29 11-17 5-9 3-15 4-14 6-30	
NCHES I		ur	Vol.	1.15 1.15 1.36 1.36 53 1.80	
PER HOUR AND ANNUAL MAX SELECTED TIME INTERVALS		2 hours	Date	11-22 10-29 4-24 5-9 5-9 3-15 6-30	
A AND AL	1	ours	Vol.	.65 1.78 .67 1.62 .88 2.44 1.15	
NINUAL M INTERVAL	MAXIMUM VOLUME	6 hc	Date	11-22 10-29 4-24 5-9 3-15 4-14 6-30	
AX IMUM		6 hours	Vol.	3,77 3,73 1,22 1,96 1,96 1,24 3,50 1,19	
M	FOR	12 hours	Date	111-22 10-29 4-24 5-9 3-15 5-9 12-19	
MUSKOGEE, OKLAHOMA	SELECTED 1	ours	Vol.	3.58 1.44 3.68 1.77 1.45	
, OKLAE	TIME IN	1	Date	111-22 10-29 4-24 5-9 3-15 4-13 12-19	
OMA	INTERVAL	day	Vol.	.78 5.88 1.50 6.01 1.87 6.32 2.18	

discontinued Sept. 22, 1947.

1.87 7.17 2.16 7.77 3.67

11-20 10-25 4-20 5-9 3-15

1.16 7.13 1.61 7.70 1.89

11-20 10-29 4-7 5-9 3-15

Vol. 8 days

Date

Vol. 2 days

Date

Watershed W-I

9.17

4-12

7.65

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			7.8	Vol.	2.39	69°9	3.23	8,21	3.23	6.88	
	н		8 days	Date	11-20	10-25	4-20	0 0 0	3-15	4-11	Sept. 22
	Watershed W-II		tys	Vol.	1.87	6.56	1.90	8.04	1,69	6.20	ntinned
	Water		2 days	Date	7-20	10-29	12-26	5-9	3-15	4-13	discor
	No.	ERVAL	ay	Vol.	1.87	6.17	1.87	6.63	1.68	3.98	Record
	MUSKOGEE, OKLAHOMA	TIME INTERVAL	l day	Date	7-20	10-29	12-26	5 - 0	3-15	4-14	d d
	SKOGEE,	ECTED I	urs	Vol.	1.87	5,39	1.77	4.11	1.61	2.76	342, 194
	MO	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	7-20	10-29	12-26	5-9	3-15	4-14	1941, 18
	X IMUM S	VOLUME	urs	Vol.	1.83	3.92	1,62	2 .23	1.24	2.51	poor
	NUAL MA NTERVAI	AX IMUM	6 hours	Date	7-20	10-29	4-27	ත ල ම	9 1 2	4-14	, 1944
	AND AN	M	urs	Vol.	1.37	1.79	1,12	1.80	90° T	1.39	10, 1943
	EK HOUK		2 hours	Date	7-20	10-29	4-27	o o	D 0	4-14	fair 194
	NCHES F		ur	Vol.	.81	1,14	68°	1.49	67.5	96•	1939,
	IN INCHE		l hour	Date	7-20	4-18	2-2	න ල ග	0	6-10	d; good
	RUNOFF 1	MUM	ARGE	Rate	1.34	2002	1.58	2,01		1.52	f recor
	AL MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAX. VOLUMES OF RUNGET IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-20	4-18	5=22	တ ရ	n I	6-10	Quality of record; good 1939, fair 1940, 1943, 1944, poor 1941, 1942, 1945. b - Record discontinued Sept. 22,
	ANNUAL MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1940	1941	1942	1943	1994	1945 b	Notes: Q
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ANNUAL VOI	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL NAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED THÆ INTERVALS	DISCHARC RUNOFF I	ES IN I	INCHES I	PER HOUR	AND AN	NUAL MA NTERVAL	XIMUM	NUS!	MUSKOGEE, OKLAHOMA	OKLAHOM		Waters	Watershed W-IV		
	MAXIMUM	MUM				M	MUMILYM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	nıc	2 hours	urs	6 hours	urs	12 hours	urs	l day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1939	10-26	60°	10-26	•01	6-28		10-26	*00	10-26	\$0°	10-26	. 0	10-26	\$00	10-26	*0°
1940	4-11	•32	4-11	°16	4-11	•26	4-11	•34	4-11	.38	4-11	.40	4-10	•45	4-6	•51
1941	4-18	1.78	10-29	8 1	10-29	1.26	10-29	2.78	10-29	4 .52	10-29	5.35	10-29	6.85	10-25	7 .37
1942	12-26 5-9	2.49	5-9	1.48	5-9	1,79	12-26 5-9	L.39	12-2 6 2-3	1.72 4.59	12-26 5-9	1.85 8.16	12-26 5-9	10.35	4-24	2.61
1944	11-14	1,13	11-14	.64	3-15	92	3-15	1.63	3-15	1.95	3-15	2.28	3-15	2.38	3-15	4 .38 e
1946 b		• 523 0	4-29		12-9	626	4-29	•76	12-9	1.13	12-9	2°53	12-9	3.01	12-9	4.75 8
Notes:	Notes: Quality of records; good 1938-1939, fair 1940-1943, poor 1944-1947.	f record	Is; good	1938-1	1939, fa	ir 1940	-1943,	poor 19	44-1947	1	Rate wa	s equal	c - Rate was equalled on 5-17 and 12-9.	5-17 an	d 12-9.	

b - Record discontinued Sept. 22, 1947. e - partially estimated.



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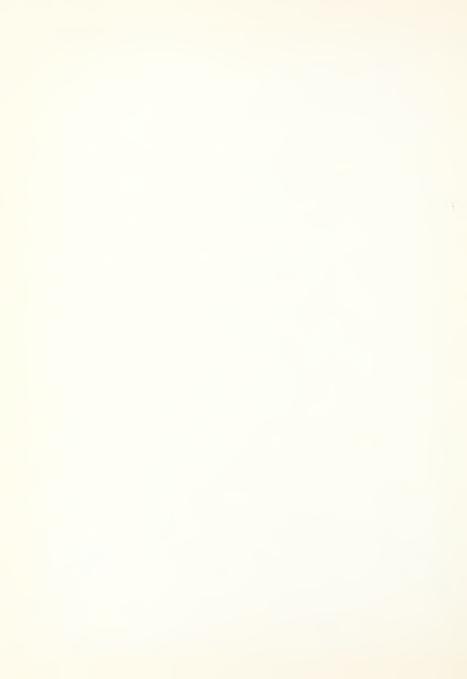
STILLWATER, OKLAHOMA Watershed W-1	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs 1 day 2 days 8 days	Vol. Date Vol. Date Vol. Date Vol.	3.97 7-14 5.18 7-14 5.20 7-14 5.20	1.80 6-4 1.81 6-4 1.81 6-1 1.90	1.19 5-12 1.19 5-10 1.58 5-10 1.79	0.56 5-1 0.57 5-1 0.57 4-29 0.73	2.11 5-19 2.36 5-19 3.28 5-19 6.30	0	
Watersh		2 days							0	
МА	ERVAL	ay							0	
OKLAHO	TWE INT	1 d	Date							
LLWATER,	ECTED T	urs	Vol.	3.97	1,80	1.19	0.56	2.11	0	
STI	FOR SEL	12 hours	Date	7-15	ф-9	5-12	5-1	5-26		
XIMUM	VOLUME	urs	Vol.	3.96	1,68	1.18	0.55	2.11	0	
NUAL MA NTERVAL	MXIMUM	6 hours	Date	7-15	6-5	5-12	5-1	5-26		
AND AN	M	urs	Vol.	3.74	1.47	1.03	0.51	1.85	0	
ER HOUF		our 2 hours	Date	7-15	6-5	5-12	5-1	5-26		
INCHES I			our	Vol.	3.31	0.92	0.80	0.45	1.28	0
ES IN		1 hour	Date	7-15	6-5	5-12	5-1	5-26		
DISCHARC RUNOFF 1	YIUM	ARGE	Rate	5.89	1.27	1.73	1.44	3.03	0	
9-57 ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-15	5-6	5-12	5-1	5-26		,
ANNUAL I		YEAR		1361 q	1952	1953	1954	1955	1956	

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	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL
7	MAXTMIM
9-57	ANNIAL
- An	

		days	Vol.	5.01	1.74	96*0	0.42	6.29	0.01	
3d W-3		8 da	Date	7-14	6-1	5-10	5-1	5-19	7-5	
Watershed W-3		days	Vol.	5.01	1,66	0.86	0,40	3.34	0.01	
ح,		2 da	Date	7-14	7-9	5-10	5-1	5-19	7-5	
MA	ERVAL	ay	Vol.	5.01	1,66	0.80	0,40	2.16	10.0	-
OKT.A HC	DAE INT	l day	Date	بلا-7	ħ-9	5-12	5-1	5-26	2-5	
STILLWATER, OKLAHOMA	SELECTED TIME INTERVAL	ırs	Vol.	3.80	1.65	0.80	0,40	2,16	0.01	
STII	OR SEL	12 hours	Date	7-15	ħ-9	5-12	5-1	5-26	7-5	ood.
KIMUM	MAXIMUM VOLUME FOR	ırs	Vol.	3.80	1.55	0.78	0,40	2.13	T0°0	ds is g
NUAL MAS	MUMIX	6 hours	Date	7-15	65	5-12	7-1	5-26	7=5	f recor
AND AND TIME II	M	urs	Vol.	3.49	1.29	69*0	0.35	1.81	0.01	Quality of records is good.
ER HOUR		2 hours	Date	7-15	5-9	5-12	5-1	5-26	2-5	
NCHES P		ur	Vol.	2.87	62.0	0.45	0.27	1.21	0.01	Ly 1, 19
ES IN I		1 hour	Date	7-15	6-5	5-12	5-1	5-26	2-5	on Ju
ISCHARG	IUM	RGE	Rate	4.74	0.86	09.0	0.42	2.35	10.0	- Record starts on July 1, 1951.
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNGEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-15	ή-9	5-12	5-1	5-26	7-5	- Recor
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		p 1951	1952	1953	1954	1955	1956	Notes: p

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		days	Vol.	2.52	1.40	0.88	0.39	4.75	0.31	
η-M b		8 da	Date	7-14	6-1	5-10	4-30	5-18	7-5	
Watershed W-4		days	Vol.	2,52	1.36	0.75	0.31	2.57	0.31	
		2 da	Date	7-14	7-9	5-10	4-30	5-19	7-5	
MA	ERVAL	ay	Vol.	2.49	1,36	29.0	0.29	1.95	0.31	
STILLWATER, OKLAHOMA	IME INT	l day	Date	7-14	79	5-12	5-1	5-25	2-5	
LWATER,	ECTED T	urs	Vol.	1.79	1.35	29.0	0.28	1.87	0.31	
STII	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	7-15	1 -9	5-12	5-1	5-26	7-5	air.
KIMUM	VOLUME 1	urs	Vol.	1.69	1.24	0.62	0.27	1.84	0.31	ds is f
NUAL MAN	AX IMUM 1	6 hours	Date	7-15	6-5	5-12	5-1	5-26	2-5	f recor
AND AN TIME I	W	urs	Vol.	1.48	1.03	0.55	0.24	1.52	0.29	Quality of records is fair.
ER HOUR ELECTED		2 hours	Date	7-15	6-5	5-12	5-1	5-26	2-5	
NCHES P		ur	Vol.	1.16	29.0	0700	0.20	66*0	0.25	Ly 1, 19
ES IN I		1 hour	Date	7-15	6-5	5-12	5-1	5-26	7-5	on Ju
DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	UM	RGE	Rate	1.62	0.84	19.0	0.31	1.39	0.42	- Record starts on July 1, 1951.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-15	6-5	5-12	5-1	5-26	7-5	
ANNUAL P		YEAR		p 1951	1952	1953	1954	1955	1956	Notes: p



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GARLAND, TEXAS Watershed W-1		γs	Vol.	_				3.06			3,47		
		8 days	Date	0 -	0-TA	4-0	9-9	4-20)	5-1	3-29	, 1947.	
		l day 2 days	Vol.	1	110	4T.T	စ္တ	1.61		*84	2.57	ept. 20	
			Date	01.7	-TA	9-1	6-13	4-20)	5-1	3-29	inued S	
	ERVAL		Vol.					1,63		\$ 5	1.96	discont	
	INE INT		Date	01.9	0-TA	9-1	01-9	4-20)	5-1	3-29	b - Record discontinued Sept. 20, 1947.	
	ECTED T	ırs	Vol.	1				19.67			1.96		
	FOR SEL	12 hours	Date	6 10		0 ;	0-10	4-20)	5-1	5-29	or 1945	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	æ	2 6	2.	19.	3,59)	\$ 5	1.84	.946, po	
	AXIMUM	hours 6 hours	Date	6 70	7	9,	0-T0	07 - 4-50		5-1	5-29	1944, 1	
	W		Vol.	9		ڻ د د	7h°	1,33	`	36.	1.71	r 1941-	
		2 ho	Date	6-10) 	0,1	6-13	4-50 6-6		5-1	5-29	40, fai	
		ur	'n.	Vol.	2		٠. د	47.	1.49		200.	રું શૈ	1938-19
		1 hour	Date	6.10) 	ļ,	6-13	6-6 6-6		5-1	5-20	s; good	
	MUM	MUM	Rate	1/0	000	0,0	•26	1.14		20.	2.03	records	
	MAXIMUM	DISCHARGE	Date	6 10		0-1	6-13	4-20 6-6		5-1	5-29	ulity of	
ANNUAL P VOLU	-	YEAR		1030	1010	1740	1941	1942	`	194	1956 b	Notes: Quality of records; good 1938-1940, fair 1941-1944, 1946, poor 1945.	

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INTERVALS GARLAND, TEXAS Watershed W-III MAXIMUM VOLUME FOR SELECTED TIME INTERVAL.		ys	Vol.	.02 2.11 2.76 3.60 4.76	2.03 7.52 4.09 4.09			
		8 days	Date	4-16 12-26 6-6 4-7 6-6	4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	, 1947.		
		ys	Vol.	.02 1.32 1.46 3.41	1.67 6.57 3.86 3.86	ept. 20		
		2 days	Date	4-16 4-6 4-22 4-7 6-6	5-1 5-29 8-29 8-29	b - Record discontinued Sept. 20, 1947.		
	ERVAL	ay	Vol.	.02 1.32 1.35 2.52 4.76	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	discont		
	TIME INT	1 day	Date	4-16 4-6 4-22 4-19 6-6	5-1 3-29 5-29	Record		
	ECTED I	urs	Vol.	.02 1.81 1.25 2.40 4.76	1.64 3.70 2.82			
0	FOR SEI	12 hours	Date	4-16 4-6 4-22 4-20 6-6	5-1 3-29 5-29	45-1947		
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	VOLUME	urs	Vol.	.02 1.18 1.24 2.36 4.73	1.47 3.67 2.80 2.80	poor 19		
	MUMIXA	6 hours	Date	4-16 12-31 4-22 4-20 6-6	5-1 3-29 5-29	1-1944,		
	N.	2 hours	Vol.	.02 1.13 .67 1.99 3.62	2.87 2.87 2.11	lir 1941		
		2 hc	Date	4-16 12-31 4-22 4-20 6-6	5-1	1940, fe		
		1 hour	ur	ur	Vol.	01 0.01 0.59 1.57 2.45		1938-
			Date	4-16 12-31 4-22 4-20 6-6	5-1 3-29 5-29	s; good		
	MOM	ARGE	Rate	.03 1.89 1.41 3.93 3.41	00.4 00.8 00.8 00.8 00.8 00.8 00.8 00.8	f record		
AL MAXIMUM I	MAXIMUM	DISCHARGE	Date	3-29 12-31 4-22 4-20 6-6	5-1 5-29 5-29	Quality of records; good 1938-1940, fair 1941-1944, poor 1945-1947,		
ANNUAL M VOLU		YEAR		1939 1940 1941 1942 1943	1944 1945 1946 b	Notes:		

-	_		_	1		1
		days	Vol.	2.77 2.57 4.95	2.91 7.28 3.69 3.69	ot. 20,
5		8 da	Date	6-18 4-6 6-6 4-19	7-28 2-28 2-24	leg pent
Watershed W-IV		ys	Vol.	2.56 2.56 2.59 2.59	2, 6, 6, 8, 3, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,	scontir
Waters		2 days	Date	6-18 4-6 10-1 5-18	5-29	b - Record discontinued Sept.
	ERVAL	ay	Vol.	2.55 1.85 2.32 d	2,60	b - R
TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l đay	Date	6-18 4-6 10-1 4-19	5-29 5-29 5-29	, 1947.
GARLAND, TEXAS	ECTED T	urs	Vol.	2.50 1.84 2.31	3.87 2.14 2.14	42-1943
GA	FOR SEL	12 hours	Date	6-18 4-6 10-1 4-19	5-1 5-29 5-29	poor 19
XIMUM	VOLUME	urs	Vol.	.50 1.45 1.83 2.20	3.50 2.14 2.14	-1946,
NUAL MA	AXIMUM	6 hours	Date	6-18 4-6 10-1 4-20	5-29 5-29 5-29	1, 1944
AND AN	2	2 hours	Vol.	.27 .90 1.54 1.86	.99 2.449 1.60	air 194
PER HOUR		2 hc	Date	4-16 4-6 10-1 4-20	5-1 5-29 5-29	1940, f
INCHES I		our	Vol.	.24 .69 .93 1.46	.92	d 1939-
SES IN		l hour	Date	6-18 12-31 10-1 4-20	5-30 6-12 5-29	ds; goc useable
DISCHAR RUNOFF	MUM	ARGE	Rate	1.19 2.69 1.31 3.52	2.26 2.98 7.42 7.42	of recor
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED THE INTERVALS	MAXIMUM	DISCHARGE	Date	4-16 5-17 10-1 5-19	5-39 5-29 5-29	Quality of records; good 1939-1940, fair 1941, 1944-1946, poor 1942-1943, 1947. d - Records not useable.
ANNUAL		YEAR		1939 1940 1941 1942 1942	1944 1945 1946 b	Notes: (1947.



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		ys	Vol.	11. 21.1 90. 35. 35.	.80 .13 .24 1.24 1.58	1.89 1.49 .18 .53	.686.1.11	port.
		8 days	Date	6-1 7-30 9-8 10-23 5-25	6-20 8-2 9-15 6-1	8-21 6-24 10-8 11-24 4-29	6-14 7-1 6-25 9-25	nual re
1 7		ys	Vol.	11.	.80 .1.3 .24 1.13	1.83 1.49 1.18 3.69	986.	tion an
Watershed		2 days	Date	6-1 5-18 9-8 10-23 5-25	6-20 8-2 9-15 6-7	8-24 6-24 10-8 11-24 5-2	6-14 6-25 6-4	from Station annual report.
W	INTERVAL	аy	Vol.	111.	.80 .13 1.13	1.83 1.18 .18 .53	. 68. 64. 65.	ven.
	TIME INT	l day	Date	6-1 8-4 9-8 10-23 5-25	6-20 8-2 9-15 6-7	8-24 6-25 10-8 11-24 5-2	6-14 7-3 6-25 6-4	volume taken 12-31-45.
SPUR, TEXAS		urs	Vol.	11.	.80 .13 .24 1.11 p-1	1.80	2-d 26. 27. 27.	.20-36, ntinued
SPUR	FOR SELECTED	12 hours	Date	6-1 3-4 9-8 10-23 5-25	6-20 8-2 9-15 6-7	8-24 6-25 10-3 11-24 5-2	7-3 6-25 7-10	not available for 9-20-36, volume tal b - Station discontinued 12-31-45,
XIMUM		urs	Vol.	11.	.80 .13 .24 .1-04	1.73	2-d .87 .16	railable Statio
AND ANNUAL MAX TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-1 8-4 9-8 10-23 5-25	6-20 8-2 9-15 6-7	8-24 6-25 10-8 11-24 9-17	7-3 6-25 7-10	hou .
AND AN TIME I	M	hours	Vol.	11.56	.79 .10 .69.	.69	p-2 .78 .144	. p-l Runoff records - partially estimated
PER HOUR SELECTED		2 ho	Date	6-1 8-4 9-8 10-23 5-25	6-20 8-2 9-15 6-7	8-24 6-25 10-8 11-24 9-17	7-3 6-25 7-10	Runoff Fally es
NCHES P		ur	Vol.	11.65.	.03 .03 .13 .1-q		2-d 55. 51. 52.	1 12
ES IN I		1 hour	Date	6-1 8-4 9-8 10-23 5-25	6-20 8-2 9-15 6-7	8-24 6-25 10-8 11-24 9-17	7-3 6-25 7-10	ls: Fair.
DISCHARC	MUM	ARGE	Rate	.39 .19 .19 .21 .03	41.1 .13 .24 .65		2-2 69 54	of records:
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED THE INTERVALS	MAXIMUM	. DISCHARGE	Date	6-1 8-4 9-8 3-7 5-25	6-20 8-2 9-15 6-7	8-24 6-25 10-8 111-24 9-17	7-3 6-25 7-10	Quality of record for
ANNUAL		YEAR		1927 1928 1929 1930	1932 1933 1934 1935 1936	1937 1938 1939 1940 1941	1942 1943 1944 1945 b	Notes: Q

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		ys	Vol.	,24	₩.	1.07	777.	.17		1.51	.33	9.	.91	2.71	3.25	1.58	54.	1.63	47.4	•	
		8 days	Date	6-1	7-30	10-11	10-23	5-25		6-20	8-2	9-15	6-17	9-20	8-21	6-24	10-8	11-24	4-29		
8		ys	Vol.	.24	.78	70.1	7.	.17		1.51	.33	9.	.75	2.71	2.40	1.56	54.	1.63	3.10		
Watershed		2 days	Date	6-1	5-18	10-11	10-23	5-25		6-20	8-2	9-15	5-17	9-20	3-24	6-24	10-8	11-24	5-2		
Wat	ERVAL	зy	Vol.	.24	.53	.91	777.	.17		1.51	.33	.60	.75	2.71	2.40	7.40	3.	1.63	3.01		
AS	TIME INTERVAL	l day	Date	6-1	5-18	10-01	10-23	5-25		6-20	8-2	9-15	5-17	9-20	8-24	6-25	10-8	11-24	5-2		
SPUR, TEXAS	SELECTED T	urs	Vol.	,24	.53	.91	444.	.17		1.51	•33	09.	.75	2.70	2.35	1.20	.42	1.53	2.59		
SP	FOR SEL	12 hours	Date	6-1	5-18	10-11	10-23	5-25		6-20	8-2	9-15	5-17	9-20	8-24	6-25	10-8	11-24	5-2		
XIMUM	VOLUME	urs	Vol.	.24	.53	.91	7/10	.17		1.51	.33	9.	.68	2.54	2.12	-91	•39	.85	1.36		,
PER HOUR AND ANNUAL MAXIMUM SELECTED TIME INTERVALS	MAXIMUM VOLUME FOR	6 hours	Date	6-1	5-18	10-01	10-23	5-25		6-20	8-2	9-15	6-7	9-20	8-24	7-21	10-8	11-24	5-2		
AND AN TIME I	M	urs	Vol.	.20	047.	09.	•31	.15		p-1	8.	.53	.56	1.91	1.36	8	.31	.43	1.03		
PER HOUR SELECTED		2 hours	Date	6-1	5-18	11-01	10-23	5-25			8-2	9-15	2-9	9-20	8-24	7-21	10-8	11-24	6-15		
		ur	Vol.	.13	.29	.56	.17	.12		p-1	.22	.38	.37	1.29	.83	.51	.18	.33	.72		
		1 hour	Date	6-1	7-8	9-8	10-23	5-25			8-2	9-15	5-17	9-20	8-24	7-21	10-8	8-17	5-2		
DISCHARG RUNOFF I	MUM	ARGE	Rate					.19		D-7	.31	64.	-54	1.39					1.05		4
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN	MAXIMUM	DISCHARGE	Date	6-1	5-18	9-8	8-7	5-25			8-2	9-15	5-17	9-20	8-24	7-21	10-8	8-17	6-15		
AINTUAL I		YEAR		1927	1928	1929	1930	1931	_	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941		4

·T.	1.51	3.25 1.58 1.63 4.45	1.706	port.
2-45	6-20 8-2 9-15 6-17	8-21 6-24 10-8 11-24 4-29	10-17 7-1 6-25 9-25	annual report.
CZ-C /.T.	1.51	2.40 1.56 1.63 3.10	1.70e 1.68 1.56	tion an
5-72	6-20 8-2 9-15 5-17 9-20	3-24 6-24 10-8 11-24 5-2	10-17 7-3 6-25 6-4	rom Sta 2-31-45
).T. C2-C	1.51	2.40 1.40 1.63 3.01	p-2 1.68 .56	taken finned l
5-5	6-20 8-2 9-15 5-17 9-20	8-24 6-25 10-8 11-24 5-2	7-3 6-25 6-4	volume
).T.	1.51	2.35 1.20 .42 1.53	p-2 1.56 .54 1.26	20-32, tation
CZ-C /.T.	6-20 8-2 9-15 5-17 9-20	8-24 6-25 10-8 11-24 5-2	7-3 6-25 6-4	for 6-
	1.51	21.2	p-2 1.55 1.55	ailable imated.
5-5	6-20 8-2 9-15 6-7	8-24 7-21 10-8 11-24 5-2	7-3 6-25 6-4	not av
ćТ.		1.36	p-2 .98 .51	records
CZ-C 21.	8-2 9-15 6-7 9-20	8-24 7-21 10-8 11-24 6-15	7-3 6-25 6-4	Runoff 2. e -
	1-9 .22 .38 .38	83.55.	p-2 .85 .44	10-17-4
-19 5-25	8-2 9-15 5-17 9-20	8-24 7-21 10-8 8-17 5-2	7-3 6-25 6-4	ls: Fair 42 nor
67.	1.9 64. 42. 1.39	.99 .90 .20 .45	P-2 .99 .65	record or 6-14-
2-52	8-2 9-15 5-17 9-20	8-24 7-21 10-8 8-17 6-15	7-3 6-25 6-4	Notes: Quality of records: Fair. p-1 Runoff records not available for 6-20-32, volume taken from Station p-2 No record for 6-14-42 nor 10-17-42. e - Partially estimated. b - Station discontinued 12-31-45.
1931	1932 1933 1934 1935 1936	1937 1938 1939 1940 1941	٩	Notes: Cp-2 No
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		ıys	Vol.	£. 28.	.76 .16 .26 .65	1.46 1.80 1.3 1.13 40.4	.04 1.07e T	1 repoi
		8 days	Date	6-1 7-30 9-8 12-4 5-25	6-20 5-24 9-15 5-31 9-18	8-21 6-24 10-8 11-24 4-29	9-19 7-3 6-25	n annue
ed 3		days	Vol.	£4.8.2.3.	.76 .16 .26 .57	1.25	.04 1.07e T	Statio discont
Watershed		2 da	Date	6-1 5-18 9-8 12-4 5-25	6-20 5-24 9-15 6-7	8-24 6-24 10-8 11-24 5-2	9-19 7-3 6-25	taken from Station annual repor-
	ERVAL	ay	Vol.	16. 28. 12. 30.	.76 .26 .57	1.25	. 04 T	off tak
TEXAS	TIME INTERVAL	l day	Date	6-1 5-18 9-8 12-4 5-25	6-20 5-24 9-15 6-7 9-20	8-24 6-24 10-8 11-24 5-2	9-19	tal run
SPUR, TE		urs	Vol.	.31 .63 .95 .95	.76 .26 .57	1.23 1.16 1.13 11.79	0.03 203 203	9-15-34, total runoff taken from Station annual Runoff estimated. b - Station discontinued L2
ι σ	FOR SELECTED	12 hours	Date	6-1 5-18 9-8 12-4 5-25	6-20 5-24 9-15 6-7	8-24 6-24 10-8 11-24 5-2		for e -
XIMUM		urs	Vol.		.76 .25 .26 .57	1.22	F 2-23	ilable 3-43.
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-1 5-18 9-8 12-4 5-25	6-20 5-24 9-15 6-7 9-20	8-24 6-24 10-8 11-24 9-17	9-19	not ava
AND AN	M	urs	Vol.	52.53	.68 .08 p-1 .39	50.08 20.08 20.05	10.01 2-01	p-1 Runoff record not available '-42. p-2 -Clock stopped 7-3-43.
PER HOUR SELECTED		2 hours	Date	6-1 5-18 9-8 12-4 5-25	6-20 5-24 6-7 9-20	8-24 7-22 10-8 11-24 9-17	9-19	Runoff p-2 -dl
		ur	Vol.	26. 69. 69. 640.	.50. 1-9 1-85.	74. 84. 80. 84. 84. 84.	5 P P P	7-42.
ES IN I		l hour	Date	6-1 8-4 9-8 12-4 5-25	6-20 5-24 6-7 9-20	8-24 7-22 10-8 11-24 9-17	9-19	ds: Fair on 10-1
DISCHARG RUNOFF 1	MUM	ARGE	Rate	234 840 840 840	.72 .06 p-1 .37	22002	H . 07	f record
ANNUAL MAXIMUM DISCHARGES IN INCHES FOR VOLUMES OF RUNOFF IN INCHES FOR	MAXIMUM	DISCHARGE	Date	6-1 5-18 9-8 12-4 5-25	6-20 5-24 5-17 9-20	8-24 7-22 10-8 11-25 9-17	9-19 c 7-3 6-25	otes: Quality of records: Fair. c - Peak rate equalled on 10-17.
ANNUAL		YEAR		1927 1928 1929 1930 1931	1932 1933 1934 1935	1937 1938 1939 1940 1941	1942 1943 1944 b	Notes: Q
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		8 days	Vol					t some
		8	Date	6-1 7-23 10-11 12-4 5-25	6-20 5-24 9-15 6-17 9-18	8-21 6-24 10-8 8-17 9-29	9-19 7-1 6-25 9-25	nes a ak had
2		ys	Vol.	49.1 1.13 1.81 89.	.81 .44 .97 .86	1.26	. 82 . 84 . 74 . 73	maximum one and two hour volumes at watershed on 9-17-41 after peak had
Watershed		2 days	Date	6-1 5-18 10-11 12-4 5-25	6-20 5-24 9-15 6-7 9-20	8-24 6-24 10-8 8-17 10-3	9-19 7-3 6-25	17-41 a
Wa	ERVAL	lay	Vol.	46. 85.1 86. 86. 71.	.81 .44. .97 .86	1.26 .45 .07 .39 .39		one and on 9-
SI	TIME INT	l day	Date	6-1 7-23 10-11 12-4 5-25	6-20 5-24 9-15 6-7 9-20	8-24 6-24 10-8 8-17 10-3	9-19 7-3 6-25	naximum vatershe
SPUR, TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ours	Vol.	.64 .85 .1.58 .08	.81 .444 .97 .86	1.22 .30 .04 .94	.77. .80 .40 .40	n gave n ntered v
SPU	FOR SEI	12 hours	Date	6-1 7-23 10-11 12-4 5-25	6-20 6-24 9-15 6-7 9-20	8-24 7-22 10-8 8-17	9-19 7-3 6-25	35 which
XIMUM S.	VOLUME	urs	Vol.	.59 .82 1.58 .60	.81 .40 .97 .86 .2.04	1.19 .30 .03 .33	38	or 6-7-
INUAL M	MAXIMUM	6 hours	Date	6-1 7-23 10-11 12-4 5-25	.6-20 6-24 9-15 6-7	8-24 7-22 10-8 8-17	9-19 7-3 6-25	lable for
AND AN	~	ours	Vol.	.51 .73 .40 .40	.78 .93 .93 .1-q	.68 .27 .01 .25	£	ot avai
SELECTEI		2 hours	Date	6-1 7-23 10-11 12-4 5-25	6-20 6-24 9-15 9-20	8-24 7-22 10-8. 8-17	9-19 7-3 6-25	ecord no
INCHES 1		our	Vol.	.43 .69 .99 .25	.29 .29 .73 .1-d	.50 .03. 01. 91.	. 23 . 40 . 24 . 24 . 34	s.Fair. p-1 Record not available for 6-7-35 which gave from Station annual report. p-2 Outside water entered from Station annual report.
LIN INCHI		1 hour	Date	6-1 8-4 9-9 8-7 5-25	6-20 8-1 9-15	8-24 7-22 10-8 8-17	9-19 7-3 6-25	from S
DISCHAR(RUNOFF	MUM	ARGE	Rate	.72 1.00 2.17 .58	1.99	69 10 10 48 78	. 35 . 35 . 55	record se taken
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEY IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-1 8-4 9-9 8-7 5-25	6-20 6-24 9-15 5-17 9-20	8-24 7-22 10-8 8-17 9-17	9-19 7-3 6-25	Notes: Quality of records: Fair. p-1 Record not avail stations. Volumes taken from Station annual report.
ANNUAL		YEAR		1927 1928 1929 1930 1931	1932 1934 1934 1935	1937 1938 1939 1940 1940	1942 1943 1944 1945 b	Notes: Quality of record stations. Volumes taker

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		days	Vol.	11 46 46 46 46 46 46 46 46 46 46 46 46 46	.02 .02	2.27 1.03 .42 .74 3.60	1.07 3.55e .65 1.56	cing 1-45.
		8 da	Date	6-1 7-30 10-11 12-4 6-29	6-20 8-2 6-17 9-20	8-21 6-24 10-30 4-29	9-19 7-1 6-25 9-25	k produ
hed 6		days	Vol.	11 33 34 36		1.92	3.396 .544 .899	for pea
Watershed		2 da	Date	6-1 5-18 10-11 12-44 6-29	6-20 8-2 6-23 9-20	8-21 6-24 10-8 10-30 5-2	9-19 7-3 6-25 6-44	ot available for peak producing - Station discontinued 12-31-45
	ERVAL	ay	Vol.	11. 23. 34. .36		1.92 .99 .42 .74 .74	1.07 P-2 44. .89	not available b - Station dis
AS	IME INI	l day	Date	6-1 5-18 10-11 12-4 6-29	6-20 8-2 6-23 9-20	8-21 6-24 10-8 10-30 5-2	9-19	rd
SPUR, TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	.12 .23 .42 .36	.52 .02 .45 .45	1.87 .71 .37 .74 2.08	1.04 P.7. 1.57. 86.	
SE	FOR SEL	12 hours	Date	6-1 5-18 9-8 12-4 6-29	6-20 8-2 6-23	8-21 7-22 10-8 10-30 5-2	9-19	1 8/4/28 43. e
XIMUM	VOLUME	urs	Vol.	11. 23. 42. 30.	.02 .02 .045 .45	1.86	. 87 2-7 1-7-1 1-8-1	equallector 7-3.
NUAL M	MUMIXM	6 hours	Date	6-1 5-18 9-8 12-4 6-29	6-20 8-2 6-23	8-21 7-22 10-8 10-30 9-17	9-19 6-25 6-4	28 was erecord
PER HOUR AND ANNUAL MAX. SELECTED TIME INTERVALS	V.	2 hours	Vol.		1-d .02 .39	1.08	. 4	f 5/18/
PER HOUR		2 hc	Date	6-1 8-4 9-8 12-4 6-29	6-23	8-21 7-22 10-8 10-30 9-17	9-19 6-25 6-4	rate o
INCHES ES FOR S		our	Vol.	.05 1.3 .28 1.2	p-1 .02 .26 .26	7. 7. 12. 12. 13.	2. 0. 2. 4. 4. 5. 8. 5. 5. 8. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	c-Peak nual re
SES IN I		1 hour	Date	6-1 5-18 9-8 12-4 6-29	8-2	8-21 7-22 10-8 10-30 5-2	9-19 6-25 6-4	s:Fair. tion an
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	.08 21. 21. 21.	P-1 • 04 0 • 30	1.17 1.49 1.26 1.26	.50 .97 1.15	record rom sta
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL NAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED THE INTERVALS	MAXIMUM	DISCHARGE	Date	6-1 5-18c ' 9-8 12-4 6-29	8-2	8-21 7-22 10-8 8-17 4-29	6-15	Notes; Quality of records:Fair. c-Peak rate of $5/18/28$ was equalled $8/4/28$. p-1 storms. Totals from station annual report, p-2 -No record for 7-3-43. e - esting
AINIUAL		YEAR		1927 1928 1929 1930 1931	1932 1933 1934 1934 1935	1937 1938 1939 1940 1941	1942 1943 1944 1945 b	Notes: Q

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AINIUAL	ANDUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARG RUNOFF I	ES IN I	INCHES I	PER HOUI	A AND AN	INUAL M	XIMUM	SPI	SPUR, TEXAS	13	We	Watershed	11		
	MAXIMUM	MUM				24	MUMIXE	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEL	ECTED T	IME INT	ERVAL				
YEAR	DISCH	ARGE	l hour	nr	2 hc	2 hours	6 hc	6 hours	12 hours	urs	l day	ay	2 days	ys	8 da	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1930 1931 1932 1933 1934	5-25 6-20 7-6 9-15	0.05 .05 .01	5-25 6-20 7-6 9-15	р. .32. Т.	5-25 6-20 7-6 9-15	9 .07 .50 .01	5-25 6-20 7-6 9-15	51. 57. 50. 54.	12-4 5-25 6-20 7-6 9-15	21. 22. 20. 23.	12-4 5-25 6-20 7-6 9-15	115	12-4 5-25 6-20 7-6 9-15		12-4 5-25 6-20 7-6 9-15	21.55.00.72.
1935 1936 1937 1938 1939	5-17 9-20 8-21 7-21 10-8	82.82.82.92.92.92.92.92.92.92.92.92.92.92.92.92	5-17 9-20 8-21 7-21 10-8	.26 .70 .23 .16	5-17 9-20 8-21 7-21	44. 244. 244. 440.	5-17 9-20 8-21 7-21 10-8	1.50	5-17 9-20 8-21 7-21 10-8	.91 1.51 1.7. 1.29	5-17 9-20 8-21 7-21 10-8	295-1 125-1 57-1 71-1	5-17 9-20 8-21 6-24 10-8	26.1 12.1 36. 71.	5-17 9-18 8-21 6-24	2.05 1.00 1.36
1940 1941 1942 1943 1944	8-17 4-29 9-19 7-3 6-25	24. 24. 52. 54. 54.	8-17 5-2 9-19 7-3 6-25	1,8,1,4,8	8-17 5-2 9-19 7-3 6-25	.19 .52 .22 .30	8-17 5-2 10-17 7-3 6-25	.23 .81 .65 .24 .32	8-17 5-2 10-17 7-3 6-25	.26 1.27 1.24 1.24	8-17 5-2 10-17 7-3 6-25	3.5. 58. 58. 58. 58.	8-17 5-2 10-17 7-3 6-25	52.1 58.1 54.1 54.	8-17 4-29 10-17 7-1 6-25	2.07
1945	17-9	.32	779	22	7-9	۲4.	77-9	57.	77 9	27.	17-9		17-9	5.5	9-25	1.07
Notes:	Notes: Quality of records: Fair, p - Record not stations (Arts) taken from Stations	of record	ls: Fair	ρ,	- Record not		railable	available for $12-4-30$ which gave peak rate and volumes at nearby	2-4-30 W	hich ga	ve peak	rate a	nd volum	nes at	nearby	

stations. Total taken from Station annual report.

	MAXI	MAXIMIM				N	MAXIMUM VOLUME	VOLUME	FOR	SELECTED T	TIME INT	INTERVAL				
YEAR	DISCH	DISCHARGE	1 hour	nr	2 ho	hours	6 ho	hours	. 12 ho	hours	1 d	day	2 da	days	8 da	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1930 1931 1932 1933 1934		00000		00000		00000	4,T-0,	0000	ر در م	0000	0-15	0000	9-15	00000	9-15	00000
1935 1936 1937 1938 1939	9-20	P . DOF	9-20	₽. • ₽ € E	02-c	p. • p. o F4	37-6	₽ • ₽'O H	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	, 5 o d	5-17 0-50 10-8	70.	5-17 9-20 8-21 10-3		5-17 9-13 8-21 10-3	.0. 12. 13. 0
1940 1941 1942 1943	11-24 9-19 6-14 7-3 6-25	040W 46-24	11-24 6-12 6-13 6-15	10. 540. 420. 740. 740.	11-22 6-14 6-14 6-25	0400		\$ 25 E	11 21 21 21 21 21 21 21	0.154 C	5-27	0	5-5 5-5 7-5 7-5	20. 77. 98. I	11-24 4-29 6-14 7-1 5-25	. 92. 441. 93.
1945 b		Ωι		ρ		ρ,		μ.		0,		ρι		Q.	25 25 25	.3

SPUR, TEXAS Watershed 14	FOR SELECTED TIME INTERVAL	rs 1 day 2 days 8 days	Vol. Date Vol. Date Vol. Date Vol.		1.78 9-20 1.78 9-20 1.78 9-18 2.09 .87 8-24 .90	.30 11.24 .30 11.24 .30 11.24 .30 11.24 1.24 5-2 1.35 5-2 1.35 4-29 2.59 p-2 6-14 4.76 6-14 4.76 6-14 4.79 p-2 p-2 p-2 7-1 1.38e p-1 6-25 4-3 6-25 50	p-1 6-4 .51 6-4 9-25 1.03	p-1 No record available for peak rate and volume producing storms. Totals taken from ord lost due to stopped clock on dates of maximum storms. e - estimated. b - Station
	UME FOR SELECTE	12 hours	Date	18 12-4 20 5-25 56 6-20 22 7-6 40 9-15	.69 5-17 1.71 9-20 1.72 8-24 8-24 2.88 6-4 9-2	26 11-24 1.59 1.59 p.	д -	Fair. p-1 No record available for peak rate and volume p-2 Record lost due to stopped clock on dates of maximum
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCIF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM VOLUME	6 hours	. Date Vol.	.08 124 .14 5-25 .56 6-20 .17 7-6 p-1 9-15	.42 5-17 1.44 9-20 1. .48 8-24 .24 7-21 .	. 22 11–24	p-1	ailable for pe topped clock o
PER HOUR AND SELECTED TIM		2 hours	Date Vol.	12.4 5-25 6-20 7-6	5-17 9-20 8-24 6-4	11-24		No record ave
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		l hour	Date Vol.	12-4 .05 5-25 .10 6-20 .37 7-6 .12	5-1728 9-20 1.00 8-2425 6-425	.12-24 4-29 .51 p-2 p-2	д- Д-	1 0
M DISCHARG	MAXIMUM	DISCHARGE	Rate	.05 .07. .21q	32.1.32	.19 .68 68	T- 4.	of records
ANNUAL MAXIMU VOLUMES C	MA	YEAR DIS	Date	1930 12-4 1931 5-25 1932 6-20 1933 7-6	1935 5-17 1936 9-20 1937 8-24-1938 6-4 1939 10-8	1940 11–24 1941 4–29 1942 6–14 1943 7–3	1945 b	Notes:Quality of records: Fair. Station annual report. p-2 Rec

		'n	Vol.	0.04		.07 1.42 .16e .66	.72	u o
		8 days	Date	1 ~ ~ ~		11-24 4-29 6-14 7-1 6-25	9-25	Totals taken from . b - Station
15		ys	Vol.		20.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	.07 1.15 .16e T	, 2°.	Totals b -
Watershed 15		2 days	Date	1 ~ ~ \	6-7 9-20 8-21 10-8	11-24 5-2 6-14 7-3 6-25	77-9	orms. timated
Wa	ERVAL	ay	Vol.	.04	п о	.07 1.15 .16e .56	ħ2.	cing st
TAS	TIME INT	1 day	Date	10-23	6-7 9-20 8-21 10-8	11-24 5-2 6-14 7-3 6-25	779	storm.
SPUR, TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	.03	.05 1.24 .39 .03	.07 1.07 p-2 T	D-1	nd volum naximum
l is	FOR SEI	12 hours	Date	10-23 6-20	6-7 9-20 8-24 10-8	11-24 9-18 7-3 6-25		rate ar ite of m
X IMUM S	VOLUME	urs	Vol.	.02	1.21	.06 .98 p-2 T	p-1	or peak
INUAL M	AX IMUM	6 hours	Date	10-23 6-20		11-24 9-18 7-3 6-25		lable for
A AND AN	4	2 hours	Vol.	.01 0 1-q 0	p-1 .888 .01	.03 .37 p-2 .43	T-a	rd avaito stopi
PER HOUR AND ANNUAL MAXIMUM SELECTED TIME INTERVALS		2 hc	Date	10-23	9-20 8-21 10-8	11-24 9-18 7-3 6-25		No recorst due
IN INCHES H		ur	Vol.	F 0 L 0	P-1 •544 •09	.03 .30 p-2 T	7-2	cord los
ES IN INCHI		l hour	Date	10-23	9-20 8-21 10-8	11-24 9-18 7-3 6-25		s: Fair p-2 Re
DISCHAR RUNOFF	MUM	ARGE	Rate	0 p-1 0	1-q .61 .09	00° 35° 72° 1	D-1	record eport.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	10-23	9-20 8-24 10-8	11-24 9-18 6-14 7-3 6-25		Notes: Quality of records: Fair. p-1 No record available for peak rate and volume producing storms. To Station annual report. p-2 Record lost due to stopped clock on date of maximum storm. e - Estimated. discontinued 12-31-44.
ANNUAL		YEAR		1930 1931 1932 1933 1934	1935 1936 1937 1938 1939	1940 1941 1942 1943 1944	1945 b	Notes: Question disconti



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		ys	Vol.	.71	
		8 days	Date	10-12 4-29	
7# p		ys	Vol.	.71	
Watershed #2		2 days	Date	2-25	
M	ERVAL	e,y	Vol.	1.07	
AS	IME INT	l day	Date	10-12 2-25	
TYLER, TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	1.07	44.
TYI	FOR SEL	12 hours	Date	10-12 2-25	31, 18
XIMUM	VOLUME	urs	Vol.	1.07	есещоел
NUAL MA	MXIMUM	6 hours	Date	10-12 2-25	inued I
AND AN	24	urs	Vol.	9 9 9 9	discon
ER HOUR		2 hours	Date	10-12 2-25	b - Record discontinued December 31, 1944.
INCHES P		ur	Vol.	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
RES IN 1		1 hour	Date	10-12 2-25 2-25	is: good
DISCHARC	MUM	ARGE	Rate	.89 1.667	f recor
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	10-12	Quality of records; good.
ANNUAL I		YEAR		1943 1944 b	Notes: Q

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		days	Vol.	.10	1.50	1,21		•04			1.34	.40	
#2		8 da	Date	1=7	4-5	5=2	5=9	11-15	1=23	2-20	11-23	6-15	
Watershed #		ys	Vol.	°00	1,35	° 92	2.08	•0 4	99*	29	1.09	•33	
Wate		2 days	Date	3-30	4-5	5=3	2≖3	11-15	1-23	2=25	11-23	6-15	
	ERVAL	ay	Vol.	.07	86°	°77	1,96	•04	• 56	.20	92	.22	
FEXAS	TIME INT	l day	Date	3-30	4-5	2=2	0=0	11-15	1-23	2=25	11-23	91-9	
TYLER, TEXAS	ECTED I	urs	Vol:		•59						.46		
	FOR SEI	12 hours	Date	12-16	4-5	5=5	ည္း	11-15	1-23	2-25	11-23	6-16	1942,
XIMUM	VOLUME	urs	Vol.		°46		٠.				.28		rune 30
NUAL MA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	12-16	4-5	5-5	ე ე	11-15	1-23	2-25	11-23	91-9	inued J
TIME I	×	urs	Vol.	,05	•23	•32	1.27	\$0°	255	000	.11	\$0°	discont
ER HOUR		2 hours	Date	3-30	4-5	5-52	2=0	11-15	1-23	2-25	11-23	6-7	b - Record discontinued June 30, 1942,
NCHES F		ur	Vol.	•05	,12	•20	88	\$0°	020	000	°05	•03	1
ES IN I		1 hour	Date	3-30	45	2=2	ი ე	11-15	1-23	2-25	11-23	2-9	ds; goo
DISCHARC RUNOFF 1	MUM	ARGE	Rate	•16	°14	\$25	1.01	•14	040	0.	90°	*0°	f recor
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7=19	4-5	ຄຸ	တူ ်	11-15	1-23	2-25	11-23	2-9	uality o
AMNUAL 1		YEAR		1933	1934	1935	1936	1937	1938	1939	1940	1941 b	Notes: Quality of records; good.

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		days	Vol.			2.59		1.15	2.68	
		8 da	Date	6-13	3-24	5=2	5-8	6-28	6-2	
hed #4		ys	Vol.	.84 2.11	1.12	1.74	P 1.12 1.66	1.61	1.86	good. p - No record, lost for peak rate and volume producing storms of May 8-10. - Record discontinued June 30, 1942.
Watershed #4		2 days	Date	6-16	3-30	12-6	11-15	7-9	9-9	ms of M
	ERVAL	ay	Vol.	.84 2.11	1,12	1.74	P 1.12 1.66	1.50	1.86	ng stor
A.S	TIME INT	l day	Date	6-16	3-30	12-6	11-15	6-28	9-9	produci
TYLER, TEXAS	ECTED I	urs	Vol.	1.80			P 1.12 1.66	1,50	1.86	volume
TYI	FOR SEI	12 hours	Date	6-16	3-30	12-6	11-15	6-28	99	te and
XIMUM	VOLUME	urs	Vol.	94	1.06	1.33		1,50	1,51	peak ra
INUAL MA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	6-16	3-30	12-6	11-15	6-28	6-7	good. p - No record, lost for peak r b - Record discontinued June 30. 1942.
AND AN	A	ours	Vol.			1.00	p 1.02 1.13		.95	ord, lc
ER HOUF		2 hours	Date	6-16	3-30	10-27	11-15	7-9 6-28	7-11	No rec
NCHES F		ur	Vol.	.81 .78	94	.86	P 1.02 1.03	.75 1.34	.93	d. p. Record
ES IN I		l hour	Date	6-16	3-30	7=3	11-15	7-9 6-28	7-11	م, ا
DISCHÀRC RUNOFF 1	MUM	ARGE	Rate	2.96	4.46	3.98	7 4 • 55 3 • 55	4 .62 5 .06	5.23	f record
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-16	3-30	7-5	11-15	6-28	7-11	otes: Quality of records e - Partially estimated.
ANNUAL		YEAR		1931 1932	1933	1935	1936 1937 1933	1939	1941 b	Notes: Quality of records: e - Partially estimated.

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		8 days	Date	1-7 4-5 5-2 5-8 12-21 1-23 6-6 6-6	
y #2		/8	Vol.	1.998 1.655 1.657 1.843 1.844 1.845 1.845 1.845 1.845 1.845	0, 1942
Watershed #5		2 days	Date	1-7 5-8 5-8 12-28 1-28 1-22 6-6	June 3
	ERVAL	ay	Vol.	1,68 1,10 1,10 1,10 1,20 1,20 1,30 1,34 1,34	ntinued
XAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	1-7 5-5 5-5 5-8 12-28 1 1-22 6-6	- Record discontinued June 30, 1942.
TYLER, TEXAS	ECTED T	urs	Vol.	1,20 2,30 1,10 1,00 1,00 1,00 1,00 1,00 1,00 1	- Recor
TI	FOR SEL	12 hours	Date	1 -7 - 2 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	-37. b
XIMUM	VOLUME	urs	Vol.	1,079 1,056 1,056 1,056 1,059 1,059 1,059	11-15-
NUAL MA NTERVAL	AXIMUMIXA	6 hours	Date	7-1-19 6-5-8 12-8-8 11-2-8 6-6 6-6	lled or
AND AN	M	urs	Vol.	1.60 1.10 1.60 1.60 1.47 1.47 1.99 1.99	- Peak rate equalled on 11-15-37.
ER HOUR		2 hours	Date	7-19 4-5 10-27 5-8 12-16 1-23 6-28 6-7	Peak ra
NCHES F		ur	Vol.	.60 .50 .31 .21 .29 .63 .83	ပ
ES IN I		l hour	Date	7-19 7-25 7-3 7-3 5-8 7-20 1-23 6-7	ds: goo
SISCHARG	#UM	RGE	Rate	2,47 2,90 7,13 1,84 1,84 2,13 2,13 2,21	f recor
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Quality of records: good.
ANNUAL WAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1933 1934 1935 1936 1939 1940 1941 b	Notes: Qu

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		ys.	Vol.	1,35	.70	₽	•28	₽	.01	
		8 days	Date	10-8	6-21		5-28		7-8	
		83	Vol.	1.21	•39	E	•28	E	10.	
		2 days	Date	10-8	6-23		5-29		7-8	
ed W-1	RVAL	y	Vol.	1.17	.39	H	•26	₽	.01	- good
Watersh	ME INTE	1 day	Date	10-9	6-23		5-30		7-8	 records
VEGA, TEXAS Watershed W-1	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	rs	Vol.	1.11	.39	E	•26	₽	.01	Quality of records
VEGA,	OR SELE	12 hours	Date	10-9	6-23		5-30		7-8	
DMUM	OLUME F	rs	Vol.	0.75	.39	E	.25	₽	10°	 - trace.
UAL MAX TERVALS	XIMUM V	6 hours	Date	10-9	623		5-30		7-8	 ₽
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MA	rs	Vol.	95.0	.35	E-i	.10	E	.01	 arch 19
R HOUR		2 hours	Date	10-9	6-23		5-30		7-8	rough M
CHES PE		អ	Vol.	0.38	.18	E	.05	₽	Б.	 Jan. th
INCHES		1 hour	Date '	10-9	6-23		5-30		7-8	ration
ESCHARGE MOFF IN	IM	GE	Rate	0.82	1.98	10.	.22	₽	1.07	t in ope
XIMUM DI ES OF RU	MAXIMUM	DISCHARGE	Date	5-30	4-5	5-27	5-20		7-8	tion not
ANNUAL MA VOLUM		YEAR		1938	1939	1940	1941	1942	1943	Notes: Station not in operation Jan. through March 1938.

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		ys.	Vol.	1,64	1.48	.18	.61	10.	€	
		8 days	Date	10-9	6-21	5-27	5-28	4-10		
		ıα	Vol.	1.41	1.02	•18	19.	10.	€	
		2 days	Date	10-9	6-21	5-27	5-28	η-10		
Watershed W-2	RVAL	>	Vol.	1.11	1.02	.18	.58	.0°	€	
	ME INTE	1 day	Date	10-9	6-21	5-27	5-30	14-10		
VEGA, TEXAS	CIED II	rs	Vol.	1.38	1.02	.18	.58	.00	EH	
VEGA,	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	10-9	6-21	5-27	5-30	1-10		
TMOM	OLUME F	ırs	Vol.	1.07	1.01	.18	η. 9	.00	₽	
TUAL MAX	XIMUM V	6 hours	Date	10-9	6-21	5-27	5-30	1-10		
AND AND TIME IN	MA	rs	Vol.	0.87	3,76	.15	.28	.01	EH	
R HOUR		2 hours	Date	10-9	6-21	5-27	5-30	4-10		- good.
CHES PE		r.	Vol.	0.69	.43	80.	.18	.00	₽	ecords
SS IN II N INCHES		l hour	Date	10-9	6-21	5-27	5-30	4-10		ty of r
ISCHARGI UNOFF II	W5	RGE	Rate	1.46	99°	.15	• 29	200	.12	Quali
VALUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	5-30	7-26	5-27	8-23	14-19	5-26	- trace.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGET IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1938	1939	1940	1941	1942	1943	Notes: T - trace, Quality of records - good.

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		Ø	Vol.	. 40.01 . 40.00 . 0.00 . 0.00	fore
		8 days	Date .	0 6-19 11-22 6-6 9-7 5-30	urred be
Watershed A		Z.	Vol.	88 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	943 occ
Hate		2 days	Date	16-19 11-22 11-23 1-4 1-30	ns in 1
XAS	ERVAL	ay	Vol.	2.°.23 3.°.27 70	l static
.co), TE	TIME INTERVAL	1 day	Date	11-22 11-22 3-4 5-4 5-30	for al
RIESEL (TACO), TEXAS	ECTED T	urs	Vol.	20.00 20.00 20.00 00	- Record discontinued July 1943, maximums for all stations in 1943 occurred before
RIE	FOR SELECTED	12 hours	Date	11.1.2.2 11.1.2.2 10.1.4 10.1.	1943, m
S	VOLUME	urs	Vol.		d July
AURUGEL PAALMUNE DISCHENARS IN INCHES FOR SELECTED THE INTERVALS VOLUMES OF RUNCEY IN INCHES FOR SELECTED THE INTERVALS	MAXIMUM VOLUME	6 hours	Date	11-22 11-22 8-4 9-8 5-30	ontinue
TIME I	N.	urs	Vol.	8 2 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	rd disc
SELECTEL		2 hours	Date	116119 9 18 4 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
S FOR S		our	Vol.	.22 .52 .61 .61 .45	good . b
IN INCHE		1 hour	Date	1 1 1 - 2 2 2 1 1 1 - 2 2 2 2 2 2 2 2 2	rds; go
RUNOFF	MUM	ARGE	Rate		of reco
VOLUMES OF RUNGER IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	0 1 0 0 0 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1	«uality of records;
TOOL		YEAR		1939 1940 1941 1942 1943 D	Motes:

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NAXIMAN NAXIMAN NAXIMAN NAXIMAN VOLUME FOR SELECTED THRE INTERNAL 1 1 1 1 1 1 1 1 1	OF F	LISCHAR	ES IN I	NCHES I	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	AND AN	INUAL MA	XIMUM	RIES	EL (WAC	RIESEL (WACO), TEXAS	AS		Watershed	ed C	
01. Date Vol. Da	MAXIMUM					2	AX IMUM	VOLUME	FOR SEL		IME INI	ERVAL				
ol. Date Vol. Da	DISCHARGE		1 hc	ur	2 ho	urs	9 po	urs	12 ho	urs	1 d	ay	2 da	ıys	8 de	ıys
.15 6-19 .25 6-19 .34 6-19 .35 6-19 .35 6-19 .36 6-19 .73 11-22 1.47 11-22 1.94 11-22 2.49 11-22 3.78 11-22 .74 6-10 1.06 5-4 1.45 5-4 1.71 5-4 1.73 5-4 1.75 4-29 .85 6-10 1.06 5-4 1.45 5-4 1.71 5-4 1.75 5-4 1.75 4-29 .80 6-15 .96 5-30 .68 5-30 .68 5-30 .69 5-30 .99 5-30 .99 5-30 .99 5-30 .99 5-30 .99 5-30 .99 5-30 .99 .50	Rate	0	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
30 6-5 .44 6-5 .58 5-30 .69 5-30 .89 1-26 .99 .126 .99 .99 .99 .99 .99 .99 .99 .99 .99 .100 .99 .100 .99 .100 .99 .100 .99 .100 .99 .100 .99 .100 .99 .100 .99 .100 .99 .100 .100 .99 .100 .100 .99 .100 .100 .100 .99 .100	1883		6-19 11-22 6-10 9-8	.15 .73 .74	6-19 11-22 6-10 9-8	.25 1.11 1.06	6-19 11-22 5-4 9-7	.34 1.47 1.45	6-19 11-22 5-4 9-7	.35 1.94 1.71	6-19 11-22 5-4 9-7	.35 2.49 1.73 3.19	6-19 11-22 5-4 9-7	3.75 1.75 4.78	6-19 11-22 4-29 9-6	4.22 1.89
9.14 6-15 .22 6-15 .29 1-26 .33 1-26 .35 1-26 .3	. 63		9 	88	6-5	•44	6 -5 6 -5	22.00	5-30	68	5-30	69	5-30	69	5-30	
59 5-11 .80 5-11 1.03 5-11 1.07 5-10 1.36 5-10 .17 3-21 .25 4-9 .35 4-9 .37 4-9 .70 4-9 .17 11-4 .51 11-4 .60 11-4 .61 11-4 .61 11-4	4.0 4.00	00000	6-15 2-12 9-13 5-23 3-12	.14 .59 .16 .29	6-15 2-12 9-13 5-23	. 22 . 95 . 24 . 41	6-15 2-12 9-13 12-30 5-12	.29 1.24 .32 .70	1-26 2-12 9-13 12-30 5-12	1.26 .33 .33 1.15	1-26 2-12 9-13 12-30 5-12	.35 1.27 .33 .97	1-26 2-12 9-13 12-30 5-12	1.28 1.28 1.28 1.26	1-26 2-9 9-13 12-24 5-12	
	F 93 83	102	5-11 3-21	.59 .17	5-11 3-21	.80 .25 .29	5-11 4-9 11-4	.96 .35	5-11 4-9 11-4	1.03	5-11 4-9 11-4	1.07	5-10 4-9 11-4	1.36 .70 .61	5-10 4-9 11-4	1.38 .70 .61

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ANNUAL VO:	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHAR(RUNOFF	TES IN	INCHES ES FOR	PER HOUR SELECTED	AND AN	INUAL MA INTERVAL	S	RIES	EL (WAC	RIESEL (WACO), TEXAS	AS	Wate	Watershed D		
	MAXIMUM	MUM				M	AXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	nr	2 hours	urs	6.hours	urs	12 hours	urs	l day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1938	4-15	.18	4-15	.18	4-15	.33	1-23	.62	1-23	.90	1-23	1,10	1-23	1.12	1-23	1.13
1940	11-22	.75	11-22	.65	11-22	1.07	11-22	1,52	11-22	1.94	11-22	2.54	11-22	50.77	5-1/ 11-22	4 .22
1941	6-10	•75	6-10	.67	6-10	1.03	5	1.48	4,	1.59	5-4	1.60	52	1.61	6-2	2,12
1942	9-8	•46	8-6	.41	8-6	• 79	8-6	1,49	2-6	2.41	2-6	3,18	2-6	4 • 42	2-6	4.46
1943 p	6-5	.27	6-5	.24	0 12	.39	6-5	55	5-30	50	5-30	99	5-30	.61	5-30	1,19
	6-15	.21	6-15	•16	6-15	.26	6-15	•35	6-15	•36	6-15	•36	6-14	.47	6-11	.48
1950	7-15	• 54	7-15	• 44	7-15	99°	2-12	88	2-12	16*	2-12	.93	7-13	1.05	7-13	1.10
1921	9-13	• 51	9-13	•38	9-13	• 54	9-13	• 72	9-13	• 74	9-13	•74	9-13	• 74	9-13	°74
1952	5-23	•42	5-23	.26	5-23	•43	12-30	•76	12-30	16.	12-30	1.03	12-30	1.05	12-30	1,05
1953	5-12	•74	5-12	.63	5-12	1.08	5-12	1.73	5-12	1,86	5-12	1,91	5-12	2,02	5-12	3,11
1954	5-11	.72	5-11	.68	5-11	1.20	5-11	1,49	5-11	1.51	5-11	1.52	5-10	1.98	5-10	1,99
1955	3-21	.15	3-21	.12	3-21	•20	3-21	•33	3-21	•40	4-9	.57	4-9	09°	4-9	09.
1956	11	.12	11-4	•11	11-4	.18	11-4	•37	11-4	•46	11-4	.47	11-4	.47	11-4	.47
																,
Notes: (1943 or	Notes: Quality of records; good, 1943 occurred before July 1 and	f record	ls; good, uly 1 and		except 1953-1954 fair. for 1949 after Mar. 1.	1954 fa er Mar.		p - No	- No record July 1943 to Mar. 1949, maximums for the year	July 19	43 to ME	ar. 194	9, maxin	oJ swnu	r the y	sar
													The second division in which the second			

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		days	Vol.	1.79	•35	4.82	2.07	3.25	8.	
5		8 de	Date	1-23	5-16	11-22	2-9	2-6	5-30	ccurred
Watershed G		days	Vol.	1.79	,18	4.18	1,53	3,11	•43	1943 0
Wa		2 da	Date	1-23	5-17	11-22	6-9	2-6	6-5	ions in
10	ERVAL	ay	Vol.	1.75	•16	2.74			.42	11 stat
RIESEL (WACO), TEXAS	IME INT	l day	Date	1-23	2-50	11-22	6-10	6-11	6-5	s for a
L (WACO	ECTED T	urs	Vol.	1,45		1,94			.41	maximum
RIESE	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	1-23	2-50	11-22	6-10	6-11	6-5	- Record discontinued July-1943, maximums for all stations in 1943 occurred
XIMUM	VOLUME	urs	Vol.	.93	,11	1,54	1,28	1.10	•33	ed July
NUAL MA NTERVAL	AXIMUM.	6 hours	Date	1-23	5-20	11-22	6-10	6-11	6=5	continu
AND AN TIME I	M	urs	Vol.	•34	\$ 5	°73	•57	•44	•13	ord dis
ER HOUR ELECTED		2 hours	Date	1-23	5-20	11-22	6-10	8-6	6-5	b - Rec
NCHES P		ur	Vol.	.17	°05	.40	•32	•24	**************************************	•
ES IN I N INCHE		1 hour	Date	1-23	5-20	11-22	6-10	6	6-5	s, fair
DISCHARG NUNOFF I	IUM	RGE	Rate	.18	000	.42	•34	•25	*00	f record
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	1-23	5-20	11-22	6-10	8-6	6 - 5	ality on
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNGEF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1938	1939	1940	1941	1942	1943 Þ	Notes: Quality of records; fair. before July 1.
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8 days Date Vol. 1-21 1-25 6-7 6-8 2. 5-30	red bef
2 days 2 days 445 -22 3.91 -23 3.91 -13 1.52 3.7 2.50 3.5 5.5 5.5	
Watersk Watersk	s in 199
KAS ERYAL By Vol. Vol. 1,41 1,50 1,50 1,98 31	- Record discontinued July 1943, maximums for all stations in 1943 occurred before
INTERVALS RIESEL (WACO), TEXAS MAXIMUM VOLUME FOR SELECTED TIME INTERVAL 6 hours 12 hours 12 hours 14 1-23 1-23 1-23 1-23 1-23 1-23 1-23 1-23 1-23 1-23 1-23 1-23 1-23 1-33 6-10 1-34 6-5 6-11 8-8 6-5 8-5 6-5 8-5 8-7 8-8 8-8 8-8 8-8 8-8 8	or all
SEL (WAN ECTED T ULS Vol. 1.14 1.70 1.36 1.36 1.31 .30	i mums f
FOR SELECT 12 hours 12 hours 1-23 1-3 5-20 1-3 1-22 1-3 1-22 1-3 1-3 1-3 6-11 1-3 6-5	43, max
xIMUM S VOLUME urs .74 .19 1.22 .84 .82	July 19
MITERVALS AXIMUM VOLI 6 hours 6 hours 1-22 1,6 5-20 1,6 6-10 1,6 6-5 *2 6-5 *2	tinued
AND	di scon
### HOUR ANY ###################################	Record
"ur Vol	م
1 hour Date V V V V V V V V V	oog . g
MUM MUM ARGE 8.15 8.28 8.23 8.17 8.04	of recor
MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAXIMUM DISCHARGE	Quality of records; good.
MAXIMUM MAXI	Notes: Q

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		days	Vol.	2,00	• 70	00°9	2.40	2.84	553	11.06	2.50	3.80	1.47	1.18	1 007	1.13	°19	8		2.46	1,31	1.17	•38							
4		8 da	Date	1-20	5-16	11-22	9-9	2-6	6 1	4-29	2-26	5-10	1-16	4-25	7	5-9	6-11	12-30		5-11	2=10	3=20	114							
Watershed W-1		ys	Vol.	1.93	•34	5.59	2°09	2 82	.52	9.20	2.41	2.94	1,24	1.17	1.07	1.10	°19	°80		1.38	1,31	1.17	•38							
Wate		2 days	Date	1=23	5-20	11-22	6=9	2=6	6-5	4-30	3=2	5-12	1-16	4-25	7=4	2-12	91=9	12-30		5-12	2-10	3-20	11.4							
EXAS	ERVAL	ay	Vol.	1.91	•34	3,35	2°04	2°29	.52	7.05	2.38	2,93	1.13	1.17	1 007	1 09	°19	• 78		1,24	1,19	1.17	• 38							
RIESEL (WACO), TEXAS	TIME INTERVAL	l day	Date	1-23	5-20	11-22	6-10	2-6	6=5	5-1	3-2	5-12	1-16	4-25	7	2-12	91-9	12-30		5-12	5-11	3-20	11-4							
ESEL (W	SCIED I	ırs	Vol.	1.67	•34	2 °66	2.03	1.64	.52	6.92	2,14	2,89	.91	1.17	1.07	1 009	•19	°72		1,21	1,19	1,16	•36							
RI	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	1-23	2-50	11-22	6-10	8=0	9	5-1	3-2	5-12	1-17	4-25	7	2-12	6-16	12-30		5-12	5-11	3-20	11-4							
KIMUM	VOLUME 1	ırs	Vol.	1,15	•33	2,41	2 002	1.61	.51	6,91	1,35	2.79	.77	1,15	1 006	1,04	.18	°, 65		1,18	1,19	1,14	•35					•		
NUAL MAX	WINT X	6 hours	Date	1-23	2-50	11-22	0-10	6 6 6	6=5	5-1	12-2	5-12	3-18	4-25	74	2-12	91-9	12-30		5-12	5-11	3-21	11-4							
AND AND TIME I	W	urs	Vol.	0.49	•32	2,09	1.97	1,51	•46	5.57	1.04	1.98	•20	• 94	1 .02	.9	•13	.47		° 74	1.13	1 .03	•21							
ER HOUR ELECTED		2 hours	Date	2-16	2-50	11-22	6-10	φ 6	6=5	5-1	3-3	5-12	3-18	4-25	7-4	2-12	91-9	5-23		5-12	5-11	3-21	11							
NCHES P. S FOR S.		ur	Vol.	0.36	•26	1.82	1.81	1.38	.42	2.99	\$8	1 • 55	°58	•68	68°	•77	80	•38		•74	94	95	•14						1	ellent
ES IN I		1 hour	Date	2-16	2-20	11-22	6-10	8-6 6	6-5	5-1	3-3	5-12	3-18	4-25	7	2-15	91-9	5=23		5-12	2=11	3-21	11-4							ds; exc
DISCHARG	TUM	RGE	Rate	09.0	•38	2,66	3.40	2.68	1,08	4.51	1,80	2,15	•44	1,62	1,38	1.88	•1.3	•53		1.19	1.33	1.51	ខ្លួ							or recor
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL NAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	2=16	2-20	11-22	01-9	œ 6	6-5	5=1	3-3	5-12	2-50	4-25	4	2-12	91-9	5=23		5-12	2-11	3-21	4,						11.1	duality of records; excellent
VINITAL N VOLU		YEAR		1938					1943	1944	1945	1946	1947	 1948	1949	1950	1361	1952	_	1953									Notes:	
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	MAXTMIN	MITM				M	MAXIMUM VOLUME FOR	VOLUME	FOR SEL	SELECTED T	TIME INTERVAL	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 hor	hours	l day	ay	2 days	ys	8 da	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1938	2-16	0.23	2-16	0.10	2-26	0.17	1-23	0.40	1-23	0.65		0.75	1-23	0.80	1-20	0.88
940	11-22	2 .05	11-22	1.69	[]		11-22	2.16	11-22	2.37		2.95	11=22	5.18	11-22	5.66
1941	6-10	3.72	6-10	1.91		2.09	6-10	2.17	01-9	2.18		2,19	6-9	2.23	9-9	2.58
942	9-8	2.04	00	1.11	12-26	1.42	12-26	1.76	12-26	1 .80	12-26	1.83	2-6	1.99	6~10	2.63
943	6=5	.50	6-5	.28		•34	6-5	.37	6-5	.40	6=5	040	6-5	.41	5-30	99
1944	5=1	4 °83	5-1	2.86	5-1	5.40	5-1	6.91	5-1	6.97	5-1	7.12	4-30	9°56	4-29	10,96
1945	5 2	1.85	3-3	.80	3-3	*94	12-2	1.41	12-1	1.97	12-1	2.24	12-1	2 .25	12-1	2.38
1946	5-12	2,10	5-12	1.49	5-12	1.89	5-12	2 ° 70	5-12	2.93	5-12	2 . 98	5-12	3.01	5-10	3,79
1947	5-20	24.2	2 - 13	•30	3-18	.53	3-18	80	1-17	1.01	1-16	1.28	1-16	1.44	1-16	1.78
1948	4-25	1.03	4-25	69°		1.01	4-25	1.29	6.2-4	1.32	4-25	1.33	4-25	1.34	4-25	1.36
949	7-4	1.22	7-4	.59		• 64	7-4	.67	7-4	.68	7-4	° 68	74	69°	7-4	0.70
1950	2-12	1.60	2-12	.86		1,01	2-12	1.13	2-12	1.15	2-12	1.17	2-11	1.19	2-9	1.27
1921	91-9	800	91-9	9 C		90°	6-16	800	91-9	60°	6-16	60°	6=16	60°	6-16	60°
206	52=5	9.4°	52=6	.51	12=30	643	12=30	- 64 - 64	12-30	T/. *	12-30	6/.0	TZ=20	9/.0	12~30	9/.
953	5-12	0.73	5-12	.49		99*	5-12	1.00	5-12	1.03		1 .06	5-11	1.12	5-11	2,13
1954	5-11	1.13	5-11	.84		.98	5-11	1.04	5-11	1.05	5-11	1.05	5-10	1.10	5-10	1.12
955	3-21	.98 86°	3-21	.71		.80	3-21	000	3-21	• 86		.87	3-21	.87	3-21	.87
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CO), TE	INE INT	l day	Date	5-20 11-22 6-10	12-26	5-12 1+17 4-25 7-4 2-12	6-16 12-30 5-12 5-11 3-20		July 19
RIESEL (WACO), TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol	2.25	1.62	2.68 .78 1.10 .84	.09 .86 1.23 .97	0	record
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ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNGEF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1939 1940 1941	1942 1943 p	1946 1947 1948 1949	1951 1952 1953 1954	1956	Notes: Call st

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Water		2 days	Date	011-22 11-13 1-13 6-5	1943 00
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ER HOUR		2 hours	Date	5-20	22-TT	8-6	6-5	5-12	5-18	4-25	# 7	7 1 7	91-9	12-30	5-11	3-21	11-4	t 1940, naximum
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UNOFF I	MOM	RGE	Rate	.29	5.15	2.90	1.42	3,18	1.76	2,61	00.0	D T = 7	•50	1 .35	2.1,3	1.63	. 82	of records; good except 1940, 1947, and 1948 fair. July 1943 to May 1946, maximums for the year 1945 or
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX VOLUMES OF RUNCIF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	5-20	6-10	8-6	6-5	5-12	2-50	4-25	9=10	71.7	6-16	5-23	5-11	3-21	11-4	98: Quality of records; good except 1940, 1947, and 1948 fair. e - Includes some tabulated estimated values No record July 1943 to May 1946, maximums for the year 1945 occurred before July 1 and for 1946 after May 1.
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1939	1940	1942	1943 p	1946	1947	1948	1950	25	1921	1952	1954	1955	1956	Notes: Q p - No

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MAXIMUM MAXI	DISCHARG RUNOFF I LMUM LARGE .74 .74 .39 2.27 2.27 2.44 1.83	1 hour Date V. 2-16 5-20 11-22 1 6-10 1 9-8	NCHES FOR S S FOR S VOl. Vol	### HOUR ANY SILECTED TILL 2 hours Date Vo. Vo	AND	INTUAL MAXIMUM RIESEL (WINTERVALS MAXIMUM VOLUME FOR SELECTED 6 hours 12 12 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10	XIMUM S VOLUME VOLUME VOL. 1.11 1.29 1.997 1.653 1.48	FOR SELECT 12 hours 12 hours 13 1-23 1-5-20 1-22 5-20 1-22 2-6-20 1-22 6-10 1-6-10 1-6-10 1-6-10 1-6-11	ECTED T ULTS VOl. Vol. 1.65 2.29 2.18 1.64 1.64	ELESTL (WACO), TEXAS SELECTED TIME INTERVAL Polous 1 day vol. Date Vol. 2 1.65 1.23 1.99 20 2.29 5.19 2.85 22 2.18 11-22 2.65 10 1.64 6-9 1.68 11 1.57 9-8 1.67	AS ERVAL ay Vol. 1.94 .29 2.69 1.68	7.at 2 da 2 da 1-23 11-22 1-13 9-7	days e Vol. 7 .34 - 2.4.77 5 1.74	8 days Date Vr 1-23 1 5-16 1 11-22 5 6-6 2	VS Vol. 1.97 64 5.16 1.91 2.52
6-5 5-12 5-12 7-4 7-4 5-12 5-12 5-11 3-21	.25 1.77 1.77 .68 .68 1.00 1.29 .79 .79 .79 .70 .70 .70 .70 .70 .70 .70 .70 .70 .70	6-5 3-12 3-12 7-4 7-4 7-4 7-4 7-12 6-16 6-16 5-12 5-12 5-12 11-4	0.23.1 0.33.0 0.01 0.01 0.01 0.01 0.03.3 0.03.3 0.03.4 0.03.4 0.03.4	6-5 5-12 5-12 7-4 7-4 5-12 5-12 5-12 5-12 11-4	1,22,1 1,46,1 1,44,1 1,	6-5 5-12 3-18 4-25 7-4 7-4 7-4 5-12 5-12 5-12 5-12 5-12	2	6-5 1-12 1-17 4-25 7-4 7-4 6-16 6-16 5-12 5-12 5-11 3-21	2.94 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.0	6-5 5-12 1-16 4-25 7-4 7-4 7-4 7-4 7-4 7-4 7-4 7-4 7-4 7-4		6-5 1-17 1-17 1-17 1-17 1-18 1-18 1-18 1-18		5-30 5-10 1-16 4-25 7-4 7-4 2-9 6-16 15-24 5-12 5-12 5-10	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
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		ys	Vol.	0.80	5.52	2,33	3 002	•31	10,60	2.90	3,75	1.79	1.08		° 78	98°	EH	• 59	1.55	525	.87	.11				
I -2		8 days	Date	91-9	5-22	6=9	6-8	6=5	4-29	2-27	2-10	1-16	4-25			2-12		12-30	5-12	5-10	3-21	11-4				
Watershed Y=2		/B	Vol.	0.49	5,11	1,93	2.34	•31	9.64	2 . 75	2.80	1.48	1.08		° 78	98°	E	• 23	.81	.52	-87	.11				
Wat		2 days	Date	5-17	11-22	6=9	2=6	6-5	4-30	3-2	5-12	1-16	4-25		7	2-12	9-13	12-30	5-12	5-10	3-21	11.4				
AS	ERVAL	ду	Vol.	0.32	2.85	1001	1,84	•31	7.46	2,59	2.77	1,32	1.08		° 78			•57		.52	-87	.1			 	
O), TEX	IME INT	1 day	Date	5-17	11-22	6=9	9=7	6=5	2	3=2	5-12	1-16	4-25		7-4	2-12	9-13	12-30	2-13	5-11	3-21	11-4				
RIESEL (WACO), TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	0°30	2,19	1°85	1.45	•30	7.28	2 25	2.42	1,00	1.08			98°		• 56		.53	98	.11	-	-	 	
RIES	TOR SEL	12 hours	Date	2-20	11-22	01-9	8-6	9-2	2=1	3-3	5-12	3-18	4-25		7-4	2=12	9=13	12-30	5-12	5-11	3-21	11-4				
KIMUM	VOLUME 1	urs	Vol.	0.30	1,98	1,82	1,43	.29	7.08	1,23	2.55	.91	1.05		°77	888	E	25	•74	.61	84	.10				
AND ANNUAL MAX TIME INTERVALS	AXIMUM A	6 hours	Date	5-20	11-22	01-9	8-8	6=5	5-1	3-3	5-12	3-18	4-25		7-4	2=12	9=13	12-30	5-12	5-11	8-21	411				
AND AND TIME II	M	urs	Vol.	0.29	1.77	1.78	1,39	•24	5.47	•94	1.64	•27	•84		2.	69.	H	.30	649	.46	8	.07				or 1944
ER HOUR		2 hours	Date	5-20	11-22	01-9	8=6	6=5	5-1	3-3	5-12	3-18	4-25		7	2-12	9T=9	5-23	3-12	5-11	3-21	11-4				 xcept f
NCHES P		ur	Vol.	0.28	1.57	1.63	1.28	•18	3.11	.77	1.20	•32	.53		•26	• 58	H	•24	• 38	35	69°	90°	 			llent e
ES IN I		1 hour	Date	5-20	11-22	6-10	8=6	6=5	5-1	3-3	5-12	3-18	4-25		4	2-12	9T=9	5-23	3-12	5-11	5-21	11-4				s; exce
DISCHARGES IN INCHES PER HOUR. RUNOFF IN INCHES FOR SELECTED	IUM	RGE	Rate	0.53	2,19	3°02	2,46	•26	4.07	1.27	1.56	•36	82		689	95	H	°42	• 22	848	1.04	010				f record
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	5-20	11-22	07-9	8=6	6=5	5=1	3-3	2-15	3-18	4-25		4	2-12	91-9	5-23	3-12	5-11	3-21	11-4				uality o
ANNUAL I		YEAR		1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	- 1	1949	1950	1991	1952	1953	1954	1955	1956				 Notes: Quality of records; excellent except for 1944.

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		ýs	Vol.	.73	5.22	2.17	6/3	51	5.17	1-13 1.48		888	.93	6.	2-30 -57	0/07		,16	red	
4-		8 days	Date	5-17	11-22	6-9	6-8	5-30	5-10	1-13	4-25	7-4	2-9	9-13 T	12-30	21.0	3-12	11-4	2 occur	
Watershed Y-4		ys	Vol.	.37	4.89	1,96	2.16	•31	2.32	1.24	.81	88°	.93	E	.57	3 5	.85	•16	in 194	
Wate		2 days	Date	5-17	11-22	6-9	8-6	6-5	5-12	1-16	4-25	4	2-12	9-13	12-30	3 0	3-12	11-4	- No record July 1945 to Jan. 1946, maximums for all stations in 1945 cocurred	
St	ERVAL	ay	Vol.	•36	2.69	1.96	1.80	.31	2.30	1,11	.81	888	.92	E	55	000	, w , w	•16	or a11	
RIESEL (WACO), TEXAS	TIME INTERVAL	l day	Date	5-20	11-22	6-9	8-8	6=5	5-12	1-16	4-25	7-4	2-12	9-13	12-30	יור ב	3-12	11-4	mums fo	
EL (WAC	ECTED T	urs	Vol.	.36	2.06	1.78	1.72	•30	2.26	.87	.81	88	.91	E	4.0	200	85	•16	16, maxi	
RIESE	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	5-20	11-22	6-10	6-11	6-5	5-12	1-17	4-25	7-4	2-12	9-13	12-30	בוומ	3-12	11-4	Jan. 194	
XIMUM	VOLUME	urs	Vol.	•36	1,89	1.77	1,67	• 29	2.09	•75	°80	.87	888	E	946	. a	88	•15	943 to	
AND ANNUAL MAX. TIME INTERVALS	AXIMUM	6 hours	Date	5-20	11-22	6-10	6-11	6=5	5-12	3-18	4-25	7	2-12	9-13	12-30	מ ר	3-12	114	July 18	
AND AN TIME I	M	urs	Vol.	.35	1.69	1.74	1.31	•24	1.40	.47	.63	°77	•75	E	8.50 8.00 8.00	2 6	.77	60°	record	
PER HOUR SELECTED		2 hours	Date	5-20	11-22	6-10	8=6	6 - 5	5-12	3-18	4-25	7	2-12	9-13	52=2	י בי	3-12	11-4	p - No	
NCHES P		ur	Vol.	.34	1.53	1,62	1.24	•21	1.03	•26	.37	° 62	99.	E	22.0	2 4	.65	°00	llent.	
ES IN I		1 hour	Date	5-20	11-22	6-10	8-6	6-5	5-12	3-18	4-25	7	2-12	9-13	8-23	י ה קרוי	3-12	11-4	1; exce	
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	AUM	RGE	Rate	.57	2.32	3,12	2 .45	• 30	1,38	•28	.59	.89	• 94	E	 	69	1.03	.12	T recor	uly 1.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCIF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	2-20	11-22	6-10	8=6	6-5	5-12	3-18	4-25	4 7	2-12	 9=13	5 = 7 5 = 1 5 = 1	5-11	3-21	11-4	Quality of record; excellent.	before July 1.
ANNUAL I		YEAR		1939	1940	1941	1942	1943 p	1946	1947	1948	1949	1950	1951	1952	1954	1955	1956	Notes: Q	

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Watershed Y-6		days	Vol.	2.67 2.20 2.20 3.31 85 .85 .89 .74 .74 .74	.947, ms p:lor t
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RIESEL (WACO), TEXAS	INE IN	1 day	Date	5-17 11-22 6-10 6-10 6-5 4-25 7-4 2-12 9-13 12-30 5-11 5-11 3-21	ord July
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RIES	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	5-17 11-22 6-10 6-10 6-5 7-4 2-12 9-13 5-23 5-11 5-11 11-4	6. p - or 1947
MUMITX	VOLUME	urs	Vol.	277 1.60 1.60 1.52 30 83 83 89 76 00 86 86 86 86 86 86 86	J JJoun
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AND AND TIME 1	4	ours	Vol.	2.6 11.59 1.59 1.59 2.68 6.8 6.8 6.9 6.09 6.09 6.09 6.09 6.09 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	excell riod of
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INCHES I		m	Vol.	2.4 1.24 1.24 1.24 2.1 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	d 1939 July 1
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DISCHARC RUNOFF 1	MUM	ARGE	Rate	47. 20.02 30.02 30.02 30.03 110. 111. 52. 52. 170. 170.	recor
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	11-22 6-10 6-10 6-5 6-5 7-4 7-4 7-4 7-4 7-4 7-1 7-1 7-1 7-1 7-1 7-1 7-1 7-1	otes: Quality of records; good 1939 - 1943, excellent 1948 - 1956, p - No record July 1943 to May 1947, maximums for the year 1943 occurred before July 1 and poried of peak runoff for 1947 at nearby stations occurred prior to April 1947.
ANNUAL 1		YEAR		1939 1940 1941 1942 1943 1943 1950 1950 1951 1955 1955 1955	Notes: Quality of records, good 1939 - 1943, excellent 1948 - 1956. the year 1943 occurred before July 1 and poriod of peak runoff for
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		8 de	Date	11-25 6-6 6-7 6-6 6-7 6-16 7-12 6-16 8-16 8-16 8-16 11-4	
Watershed Y-7		ys	Vol.	55.53 2.65 2.65 2.65 2.65 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3	
Waters		2 days	Date	11-22 6-9 6-9 6-5 6-16 6-16 12-30 11-4	
ST	INTERVAL	ay	Vol.	3 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
(O), TEX	RIESEL, (WACO), TEXAS SELECTED TIME INTERN	l day	Date	11-22 6-10 6-10 9-7 6-16 6-16 12-30 5-12 5-12 5-12 11-30	
ECTED TI	TOURS I	Vol.			
RIES	INTERVALS MAXIMUM VOLUME FOR SELECTED	12 hours	Date	11-22 11-22 12-26 6-10 6-5 6-15 6-16 11-30 11-4	
XIMUM	VOLUME	6 hours	Vol.	2.37 1.62 1.62 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.1	
NUAL MA	AXIMUM		Date	11-22 11-22 12-26 6-5 6-5 6-5 12-30 11-30 11-4	
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ELECTED		2 hours	Date	5-20 11-24 12-26 6-10 12-26 6-5 4-5 7-4 2-12 6-16 5-12 5-12 5-11 3-21	
NCHES F		nr	Vol.	2.29 11.89 11.47 11.64 2.31 2.31 2.06 2.08 2.06 2.06 1.15 1.15 1.15 1.15	
ES IN I		1 hour	Date	5-20 11-22 6-10 12-26 6-10 4-25 7-4 2-12 6-16 5-11 3-21 11-4	
DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	4UM	ARGE	Rate	2.97 3.59 2.87 3.59 2.87 3.53 11.98 11.62 60 60 80 1.80	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	11-22 6-10 6-10 9-8 9-8 1-12 6-16 6-16 11-4	
AINNUAL N VOLU		YEAR		1948 1948 1948 1948 1948 1950 1950 1955 1955 1955	

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		8 days	Date	5-16 11-22 6-9 6-9 5-30	7-4 2-12 6-16 12-24 5-12	5-11 5-1 5-1	- No record July 1943 to Jan, 1949, maximums for
Watershed Y-8		ys	Vol.	5.31 1.76 2.51 2.51	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.05 0.05 0.05	1949, m
Water		2 days	Date	5-20 11-22 6-9 9-8 6-5	7-4 2-12 5-16 12-30 5-12	5-11 3-21 5-1	o Jan.
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CO), TF	INE IN	1	Date	5-20 11-22 6-10 9-8 6-5	7-4 2-12 6-16 12-30 5-12	5-11	rd July
RIESEL (MACO), TEMAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	.31 2.37 1.70 1.55	. 55 . 68 . 02 . 54 . 87	.82 1.04 .05	No reco
RIE	FOR SEI	12 hours	Date	5-20 11-22 6-10 6-11 6-5	7-4 2-12 6-16 12-30 5-12	5-11	Ω
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ER HOUF		2 hc	Date	5-20 11-22 6-10 9-8 6-5	7-5 2-12 6-16 5-23 5-23	5-11 5-1 5-1	- 1943, s July 1
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ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	5-18 11-22 6-10 9-8 6-5	7-4 2-12 6-16 5-23 5-12	5-11	Notes: Quality of records; good 1939 - 1943, excellent 1949 - 1955. all stations in 1943 occurred before July 1.
ANNUAL		YEAR		1939 1940 1941 1942 1943 P	1949 1950 1951 1952 1953	1954 1955 1956	Notes: Q

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Water		2 days	Date	5-20	6-9	6-2	0	5-12	4-25	7-4	2-12	6-16	12-30	5-12	3-20	11-4	3 to Ma
XAS	ERVAL	ау	Vol.	•35	1.60	20.0	04.	2.26	83	96	68	•14	•73	91.1	1.10	.16	No records August 1943 to lay 1946, maximums
CO), TE	NNTAL MAXIMUM RIESEL (WACO), TEXAS MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	5-20	6-10	2-6	0	5-12	4-25	7	2-12	6-16	12-30	5-12	3-20	11.4	ords Aug
SEEL (W	ECTED T	urs	Vol.	.35	1.60	1,51	04.	2.22	828	96°	85	•14	89	21.1	1.08	.16	No reco
RIE	RIE FOR SELE	12 hours	Date	5-20	6-10	6-11	0 0	5-12	4-25	74	2-12	91-9	12-30	5-12	3-21	11-4	3. p -
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NUAL MA	AXIMUM	6 hours	Date	5-20	6-10	6-11	0	5-12	4-25	7	2-12	6-16	5-23	5-12	3-21	11-4	ent 194 r 1946
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ER HOUF		2 hours	Date	2-50	6-10	8-6	0	5-12 7-18	4=25	7.4	2-12	6-16	5-23	5-12	3-21	11-4	- 1943, ugust 1
INCHES E		nr	Vol.	.31	1.54	1.15	20	1.10		.61	.51	80°	.57	72	.87	.07	 d 1938 efore 1
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AL MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAX VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MUM	RGE	Rate	92.	3.47	2.77	7.00	1.62	88	.94	.88	*15	1.12	2 G	1,65	.13	of recor
MAXIMUM I	MAXIMUM	DISCHARGE	Date	5-20	6-10	6-11	0	5-12	4-25	7-4	2-12	6-16	5-23	5-12	3-21	114	tes: Quality of records; good 1938 - 1943, excellent 1946 - 1956, p for the year 1943 occurred before August 1 and for 1948 after May 1.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1939	1940		1940 p	1946	1948	1949	1950	1921	1952	1953	1955	1956	Notes: Q
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2-20		8 days	Date	5-17 11-22 6-2 9-7 5-30	urred b
Watershed SW-2		ys	Vol.	25.32 5.32 5.05 7.05 7.5	943 ogs1
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ACO), TI	TIME INTERVAL		Date.	5-20 11-22 6-9 6-9 6-5	for all
ESEL (W	RIESEL (WACO), TEXAS ELECTED TIME INTERVA	urs	Vol.	2.22 2.20 1.63 .75	Kimums
RI	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	5-20 11-22 6-10 6-10 6-5	943, ma.
XIMUMIX	VOLUME	urs	Vol.	20.31 20.03 1.62 .73	July 1
NUAL MA	AXIMUM .	6 hours	Date	5-20 11-22 6-10 6-10 6-5	ntinued
AND AN TIME I	M	urs	Vol.	. 31 2. 03 1. 48 . 65	- Record discontinued July 1943, maximums for all stations in 1943 ognurred before
ER HOUR ELECTED		2 hours	Date	5-20 11-22 6-10 6-5 6-5	- Recor
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ANNUAL A		YEAR		19339 1940 1941 1942 1943 b	Notes: Quality of records; good. July 1.

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Waters		2 days	Date	5-20 11-22 9-7 6-5	s in 19
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), TEXA	IME INT	l day	Date	5-20 11-22 6-9 6-8 6-5	or all
RIESEL (WACO), TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	2.44 2.47 1.85 1.65 6.59	cimums f
RIESE	FOR SEL	12 hours	Date	5-20 11-22 6-10 6-5 6-5	943, max
XIMUMIX	VOLUME	urs	Vol.		July 16
NUAL MA	AXIMUM	6 hours	Date	5-20 11-22 6-10 6-5 6-5	ıtinued
TIME I	M	urs	Vol.	2.32 2.02 1.84 1.37 .62	- Record discontinued July 1943, maximums for all stations in 1943 occurred before
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AINNUAL I		YEAR		1939 1940 1941 1945 1945 b	Notes: quality of records; good. July 1.

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	MAXIMUM	MUM				N	TAXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED T	IME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2 ho	hours	6 hours	urs	12 hours	urs	1 d	day	2 da	days	8 days	ys.
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1939 1940 1941 1943 b	5-17 10-31 6-10 12-26 6-5	6.57 6.50 6.00 4.46 3.07	5-20 11-22 6-10 9-8 6-5	.41. 1.98 1.56 .55 .55	5-20 11-22 6-10- 6-5	2 2 2 5 2 2 5 3 4 2 5 4 5 4 5 5 4 5 5 4 5 5 5 5 5 5 5 5	5-20 6-10 12-30 6-5	.55 2.05 2.06 1.76 .56	5-20 11-24 6-10 6-5	\$5.55 2.06 1.76 .56	5-20 11-22 6-10 6-10 6-5	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5-17 11-22 6-9 6-7 6-5	.67 2.07 3.48 .56	5-17 11-22 6-2 6-2 9-7 5-30	1.22 7.14 3.48 .71
Notes: for all		Quality of records; good for maximum rate, fair for maximum volumes, stations in 1943 occurred before July 1.	ds; goo	d for m	aximum re July	rate, f	air for	meximu	m volum		b - Record discontinued July 1943, maximums	discol	nti nued	July 19	943, max	cimums

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φ		8 days	Date	11-22 6-2 6-2 5-29	3, maxi
Watershad SW-6		ß	Vol.	. 83 . 7. 02 . 3. 0. 24 . 2. 9 . 2. 9 . 2. 9	uly 194
Water		2 days	Date	11-22 11-22 6-9 6-5 6-5	penui:
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RIECEL (WACO), TEXAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	11-22 6-10 6-10 6-5	b Record discontinued July 1943, maximums
CEL (WAG	ECTED T	urs	Vol.		
RIE	FOR SEL	12 hours	Date	5-20 11-22 6-10 6-10 6-5	volume
XIMUM	VOLUME	urs	Vol.	. % %	maximum
NUAL MA	AXIMUMIXA	6 hours	Date	5-20 11-22 16-10 6-10 6-15	ir for
AND AN TIME I	M	hours	Vol.	2.83 2.83 2.23 3.23 3.28	ate, fa
ER HOUR		2 ho	Date	5-20 11-22 6-10 6-5	ximum r
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ES IN I		1 hour	Date	5-20 11:-22 6-10 6-5 6-5	is; good
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ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF TUNCIF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	5-18 6-10 12-26 6-5 6-5	otes: Quality of records; good for maximum rate, for all stations in 1943 occurred before July 1.
ANNUAL		YEAR	1	1939 1941 1941 1943 b	Notes: quality of records; good for maximum rate, fair for maximum volumes. for all stations in 1943 occurred before July 1.

	AL MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAXIMUM RIESEL (WACO), TEMAS Watershed SW-7	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	: 2 hours 6 hours 12 hours 1 day 2 days 8 days	Vol. Date Vol.	5-20 .50 .50 .50 .50 .50 .50 .50 .50 .50 .5	
	IL (WACO), I	TED TIME IN				
	RIESI	FOR SELE	12 hou	-		
	XXIMUM S.	VOLUME	ours	Vol.		
	NNUAL MA	MAXIMUM	6 hc	Date	11-220 11-220 6-10 6-10	
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	PER HOUN		2 h	Date	11-2-20	
	INCHES ES FOR		nc	Vol.		7.11
	SES IN		1 hour	Date	5-20 11-22 6-10 9-8 6-5	
	DISCHAR	MUM	ARGE	Rate	1,00 3,75 4,95 5,55 4,07	
	ANNUAL MAXIMUM DISCHARGES IN INCHES FOR VOLUMES OF RUNOFF IN INCHES FOR	MAXIMUM	DISCHARGE	Date	5-20 10-30 6-10 5-30	
10-57	ANNUAL		YEAR		1939 1940 1941 1942 1943 b	

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NUAL MAXIMUM RIESEL (VACO), TEXAS Watershed SW-11	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours 12 hours 1 day 2 days 8 days	Date Vol. Date Vol. Date Vol. Date Vol. Date Vol.	2.66 11-22 2.82 11-22 5.59 11-22 5.90 11-21 2.00 6-2 11.55 9-8 11.55 9-8 2.00 6-9 2.00 6-2 1.55 9-8 1.59 9-8 2.09 9-7 2.24 9-7 2.18 6-5 2.18 6-5 2.09 9-7 2.24 9-7 2.34 9-7 2.24 9-7 2.	
HOUR AND AND ECTED TIME I	M	2 hours	Date Vol.	1 2 2 2 5 2 6 5 1 1 2 4 4 7 4 4 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1	
INCHES FOR SEI		l hour	Date Vol. I	.32 2.06 1.85 1.37 .17	1
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERNALS	MAXIMUM	DISCHARGE	Date Rate I	. 0 4 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MARCO
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Watershed S7-12		days	Vol.	1.55	2.83	1.67	13	.06	H	.40	.02	0	 			43 occu
Wate		2 da	Date	1-23	11-22	6-10	3-24	3-21	9-T3	12-30	5-10			 		year 19
2777	ERVAL	ay	Vol.	1.54	2.14	1.66	.25	.72	≓i.	.39	.02	0				or the 7.
RIBURL (MACO), TEMAS	IME INT	l day	Date	1-23	11-23	6-11	3-24	2-21	ST-R	12-30	5-10					imums f unc 194
TEI (TEI	ECTED T	urs	Vol.	1.36	1.65		25.5	.03	4	933	.02	0				47, max or to J
EIG	FOR SEL	12 hours	Date	1-23	11-24	6-11	4-24	2-21	8-T9	12-30	5-10		_			June 19 red pri
XIMUM	VOLUME	nrs	Vol.	1.05			00° 42°	. 72	;-i	.36	0.02	0				.943 to
AND ANNUAL MAX.	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	12 12 13	11-24	6-11	4-4- 4-6-4-	2-12	8-1-8	12-30	5-11					July 1 station
AND AN TIME I	M	hours	Vol.	.36	.87	.79	900	0° 60° E	-1		0.02	0				p - No record July 1943 to June 1947, maximums for the year 1943 occurred before 347 at mearly stations occurred prior to June 1947.
ER HOUR ELECTED		2 ho	Date	1-23	11-24	6-11	4-24	2-12	9-13	12-30	5-11					p = To .947 at
NCHES P		ur	Vol.	0	.67		0.00 0.00		.⊣		10.					llent.
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SISCHARG NUNOFF I	1UM	RGE	Rate	.43	3.43	1.81	.05	20.02	10.	.21	003	0				of recor
AL MAXIMUM DISCHARGES IN INCHES PER HOUR VOLUMES OF RUNOFF IN INCHES FOR SELECTED	MAXIMUM	DISCHARGE	Date	2-16	11-24	6-11	3-24	2-27	20 1 50	12-30	3-21					Quality of record; excellent.
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF FUNCES FOR SELECTED TIME INTERVALS		YEAR		1938	1940	1942	1943 p	1949	1991	1952	1954	1956				Notes: Quality of record; excellent. p - No record July 1943 to June 1947, maximums for July 1 and period of peak runoff for 1947 at mearly stations occurred prior to June 1947.

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ANNUAL	ANDUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARC RUNOFF]	TES IN I	NCHES IS FOR	PER HOUE	AND AN	NUAL MA	XIMUM	RIEC	EL (TAC	RIESEL (MACO), TEMAS	A.S	Water	Watershed -SW-13	(-13	
	MAXIMUM	MUM				N	AXIMUM	VOLUME	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ECTED I	INE INT	ERVAL				
YEAR	DISCHARGE	ARGE	l hour	ım	2 hours	urs	6 hours	urs	12 hours	urs	l day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1939	5-17	1.51	5-17	1.76	5-17		5-17	2.13	5-17	2.35	5-17	.60	5-17	4.79	5-16	1.32
1941	6-10	5,48	0-10 8-6	1.58	0-10 9-8	1.59	6-11	1.62	6-10	1.62	6-9	1.67	6-9	3.60	2-9	3.65
1943 b	6-5	1.72	10 10	.32	6-5	• 33	6=5	.33	6-5	• 33	9-2	•33	6-5	• 33	2-30	.38
Notes: Quality of records; Good for maximum rates	Notes: quality of records; good for anximum rates, fair for maximum volumes.	f record	poo9 : 2:	for an	Mimum r	Strs, f	sir for	naximu	m volum	1	- Recor	d discon	ntinued	b - Record discontinued July 1943, maximums	943. man	cimums

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		days	Vol.	1	92.0
SE-14		8 da	Date	5-16 11-22 6-2 6-7 5-30	Jed be.
Watershed SW-14		/8	Vol.	6.01 1.0.75 4.38 87 87	occuri
MB		2 days	Date	5-16 11-22 6-9 9-7 5-30	in 1943
AS	RVAL	ry.	Vol.	83.0.1 25.0.7 67.0.0 7.0.0 7.0.0 7.0.0 7.0.0 7.0.0 7.0.0 7.0.0 7.0.0 7.0.0 7.0.0 7.0.0 7.0.0	ations
RIESEL (WACO), TEXAS	DAE INTE	l day	Date	5-17 11-22 6-9 9-7 5-30	all st
EL (TAC	CIED I	urs	Vol.	.55 2.23 2.01 .87 .87	oj sumu
RIES	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	5-20 11-22 6-10 6-10 5-30	- Record discontinued July 1943, maximums for all stations in 1943 occurred before
KIMUM	VOLUME 1	urs	Vol.	2.55 2.80 1.99 .70	uly 194
NUAL MA	AXIMUM 1	6 hours	Date	5-20 11-22 6-10 6-10 5-30	inued J
AND AN TIME I	M	hours	Vol.	26.49 1.58 1.58 1.58 5.7	discont
ER HOUR ELECTED		2 ho	Date	5-20 11-22 6-10 6-5	Record
NCHES P		ur	Vol.	.43 1.99 1.52 1.53 1.53 5.6	Д
ES IN I		1 hour	Date	5-20 111-22 6-10 6-5 6-5	poog fp.
ISCHARG	IUM	RGE	Rate	1.03 4.75 3.90 3.15 3.15	of recor
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCET IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	5-17 7-3 6-10 6-11 6-5	Quality of record; good.
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCET IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1939 1940 1941 1942 1943 b	Notes: Qu

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	ys	Vol.	1.66 1.86 7.33 2.73 4.37	8	
	8 da	Date	1-23 5-16 11-22 6-2 9-7	ด ณ เ เ	sord
	/s	Vol.	1.66 1.05 6.25 2.00 4.34	°72.	b - Record
	2 da	Date	1-23 5-17 11-22 6-9 9-7	5-30	mated.
ERVAL	ay	Vol.	1.66 .74 3.50 e 2.00 8.35	• 70	ly esti
IME INT	1 d	Date	1-23 5-17 11-22 6-9 9-7	n 1	e - Partially estimated. July 1.
ECTED T	urs	Vol.	1.26 .65 2.92 1.89	• 70	
FOR SEL	12 ho	Date	1-23 5-20 11-22 6-10 9-8	6-5	volumes d befor
VOLUME	urs	Vol.	2.58 2.58 1.89	69.	aximum
AXIMUM	6 ho	Date	4-15 5-20 11-22 6-10 9-8	ភ្ - 0	r for m n 1943
W	urs	Vol.	.47 .59 2.11 1.88	4.7	te, fai tions i
	2 ho	Date	4-15 5-20 11-22 6-10 9-8	Ω • υ	imum ra all sta
	ur	Vol.	.51 1.89 1.81 1.52	6 6	for max uns for
	1 hc	Date	4-15 5-20 11-22 6-10 9-8	9 - S	good maximu
NOM	LRGE	Rate	.41 1.91 5.80 4.48 3.85	2.66	record Ly 1943,
MAXIA	DISCH	Date	4-15 5-17 10-31 6-10 9-8	ဂု ပ	Notes: Quality of record; good for maximum rate, fair for maximum volumes. e - discontinued July 1943, maximums for all stations in 1943 occurred before July
	YEAR		1938 1939 1940 1941 1942	1943 b	Notes: Q
		MAXIMUM YOLUME FOR SELECTED TEME INTERVAL 1 hour 2 hours 6 hours 12 hours 1 day 2 days	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 day Date Nol. Date Vol. Date V	MAXIMUM DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 day 1 day 2 days 8 day 1 day 2 days 8 day 1 day 1 day 2 days 8 day 1 day 1 day 2 days 8 day 1 day 1 day 2 days 8 day 1 day 1 day 1 day 2 days 8 day 1 day 1 day 2 days 8 day 1 day 1 day 2 days 8	MAXIMOM Date Rate Date Vol. Date Vo

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		ys	Vol.	.70	3.20	3.90	1.28	2.00	.67	1.29	90°	66	1.,10	• 55	66*	•03						for
X-17		8 days	Date	5-17	6-2	2-6	2-30	4-25	7-4	2-12	6-16	12-30	5-12	2-10	3-21	11-4						- No record July 1943 to Jan. 1948, maximums for
Watershed SW-17		days	Vol.	.50	2.27	3.88	• 75	2,00	.67	1.29	90°	66	1.09			•03						948, ma
Wate		2 da	Date	5-20	6-9	2-6	0 -0	4-25	7-4	21-2	6-16	12-30	3-10	5-10	3-21	11-4						Jan. 1
TXAS	INTERVAL	ay	Vol.	.50			• 75	2.00	• 67	1,29	90°	66 •	88	.54	66°	•03						1943 to
RIECEL (MAGO), IDMAS	TIME INT	l day	Date	5-20	01-9	8-6	6-5	4-25	7-4	: : -1:3	C-16	12-30	3-11	5-11	3-21	11-4						à July
M) TEGE	ECTED T	urs	Vol.	.50			•73	2.00	.67	1,28	9,	.98	• 70	.54	66*	•03						io recor
RI	FOR SEL	12 hours	Date	5-20	6-10	9-8	6-5	4-25	7-4	2-12	9-16	12-30	3-12	5-11	3-21	11-4						а
XIMUM	VOLUME	nrs	Vol.	.50	2.18	2°04	.72	2 •00	99°	1.27	90.	.93	60 *	25.	66°	•05						- 1956
AND ANNUAL MAX TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED	6 hours	Date	5-20	01-9	9-8	6=5	4-25	4	2-12	6-16	12-30	3-12	5-11	3-21	11-4						t 1948
	M	urs	Vol.	.50	2.17	1.88	.63	1.82	99°	1.18	90°	8 8 8	99°	.53	.95	•02						excellor
PER HOUR SELECTED		2 hours	Date	5-20	6-10	8-6	6=5	4-25	7	2-12	91-9	12-30	3-12	5-11	3-21	114						1943, (July 1.
NCHES P		ur	Vol.	.44			.63	1.31		1,06	000	.40	900	.49	. 82	•01						1939 -
ES IN I		1 hour	Date	5-20	6-10	9-8	6-5	4-25	7-4	2-12	6-15	5-23	3-12	5-11	3-21	11-4						d; good
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	#UM	RGE	Rate	.83	6.30	5.90	4.34	3.58	1,26	3.58	•16	.62	1.53	.87	1,23	•04						f recor 1943 oc
AL MAXIMUM I	MAX JMUM	DISCHARGE	Date	5-18	6-10	8-6	6-10	4-25	7=4	2-12	6-16	5-23	3-12	5-11	3-21	11-4			 			Quality of record; good 1339 - 1943, excellent 1948 - 1956.
ANNUAL MAXIMUM DISCHARGES IN INCHES FOR VOLUMES OF RUNOFF IN INCHES FOR		YEAR		1939	1940	1942	1943 p	1948	1949	1950	1921	1952	1953	1954	1955	1956						Notes: Quality of record; good 1939 - 1943, all stations in 1943 occurred before July 1

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		ys	Vol.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ore
SW-18		8 days	Date	5-17 11-22 6-2 6-10 5-30	red ber
Watershed SW-18		ys	Vol.	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 oceur
Wate		2 days	Date	2 - 2	in 194
KAS	ERVAL	ay	Vol.	2.30 3.82 2.00 2.007 .41	tations
RIESEL (WACO), TEXAS	IME INT	1 day	Date	11-22 9-9 6-9 6-5	r all s
SEL (WA	ECTED T	urs	Vol.	.39 2.04 2.06 2.06 1.57 .41	mums fo
RIE	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	5-20 11-22 6-10 6-10 6-5	3, maxi
XIMUM	VOLUME	urs	Vol.	2.78 2.06 1.55 .41	uly 194
NUAL MA	AXIMUM	6 hours	Date	5-20 11-22 6-10 6-10 6-5	inued J
AND AN	×	urs	Vol.	.39 2.41 2.50 1.50 1.51 .41	di s c ont
ER HOUR		2 hours	Date	5-20 11-22 6-10 6-5 6-5	b - Record discontinued July 1943, maximums for all stations in 1943 occurred before
NCHES F		ur	Vol.	2.17 1.95 1.50 .40	
ES IN I		1 hour	Date	11-22 06-10 9-8 6-5 6-5	d; good
DISCHARC RUNOFF 1	MUM	ARGE	Rate	. 551 4 4 . 7 4 4 4 . 7 6 1 1 . 3 6	of recor
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	0-31 0-31 0-10 0-10 0-10	Quality of record; good.
ANNUAL I		YEAR		1939 1940 1941 1942 1943 b	Notes: Q

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		ys	Vol.	.49	4.45	1.75	2.42	600	9
		8 days	Date	5-17	11-22	1-13	6-10	4.5.1.2.4.2.4.2.4.2.4.2.4.2.4.2.4.2.4.2.4.2	ed befor
Watershed Z		days	Vol.	•33	4.08	1.75	1.35	60°	occurr
Wate		2 da	Date	5-20	11-22	1-13	6-10	8 - 24	- Record discontinued July 1943, maximums for all stations in 1943 occurred before
54	ERVAL	ay	Vol.	.33	1.97	1.74	1,30	• 0 0	ations
O), TEX	TIME INTERVAL	1 day	Date	5-20	11-22	1-13	01-9	φ 1 ω	all st
RIESEL (TACO), TETAS	ECTED T	urs	Vol.	.33	1,50	1,66	1.27	•00	ums for
RIES	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	5-20	11-22	1-13	6-11	φ •	, maxim
XIMUM S	VOLUME :	urs	Vol.	.32	1,39	1.55	1.11	3Q.	ly 1943
NUAL MA	AX IDMIT Y	6 hours	Date	5-20	11-22	6-10	6-11	.g. -₽. Θ	nned Ju
AND AN	Z	urs	Vol.	,26	1.19	1,36	*9°	00.	isconti
ER HOUR ELECTED		2 hours	Date	5-20	11-22	6-10	6-11	다 8	ecord d
NCHES P		ur	Vol.		1,00		•46	80.	م
ES IN I		1 hour	Date	5-20	11-22	6-10	8-6	요 B	l; fair.
DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	NUM	RGE	Rate	.27	1.36	1.54	• 75	4	f record
AL MAXIMUM I VOLUMES OF F	MAXIMUM	DISCHARGE	Date	5-20	11-22	07-9	8-8	요 B	ality o
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1939	1940	1941		1943 b	Notes: Quality of record; fair. July 1.

	ıys	Vol.	.62	1.13	.08	2.23	1.25	
	8 de	Date	6-16	9-25	5-28	8-13	5-16	
	ys	Vol.	.62	1.13	• 08	2.23	1.25	
	2 de	Date	91-9	9-25	5-28	8-13	5-16	
ERVAL	ay	Vol.	.1.8	1.13	.08	2.23	1.25	
INE INT	1 d	Date	91-9	9-25	5-28	8-13	91-5	
ECTED T	urs	Vol.	.48		.08	2.23	1.25	
FOR SEL	12 ho	Date	91-9		5-28	8-13	5-16	
VOLUME	urs	Vol.	84.	1.13	.08	2.23	1.25	
AXIMUM	6 ho	Date	91-9	9-25	5-28	8-13	5-16	
W	urs	Vol.	84.	1.03	.03	1.89	*95	
	S ho	Date	91-9	9-25	5-28	8-13	5-16	
	ur	Vol.	.48	96*	.08	1.28	69°	
	l ho	Date	91-9	9-25	5-23	7-24	5-30	
AUM	ARGE	Rate	1.57	3.69	.26	4.80	2.53	
MAXI	DISCH	Date	91-9	9-25	5-28	7-24	5-30	
	YEAR		1934	1935	1936	1937	1938	
	MAXIMUM WAXIMUM VOLUME FOR SELECTED TIME INTERVAL	MAXIMUM DISCHARGE 1 hour 2 hours	MAXIMUM DISCHARGE 1 hour 2 hours 6 hours 12 hours 12 hours 2 days 8 day Date Rate Vol. Date Vol. <	MAXIMUM DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 days 2 days 8 days 1 day 2 days 1 day 2 days 3 day	MAXIMUM Date I hour 2 hours 6 hours 12 hours 1 day 2 days 8 day Date Rate Date Vol. Vol. Vol. Date Vol. Date Vol. Vol.<	MAXIMUM VOLINE RALE Date 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 day	MAXIMUM MAXIMUM	MAXIMUM MAXIMUM VOLUME TOR INTERVAL Lay Lay

tes: Quality of records: Fair

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		days	Vol.	e2.15 .08	.72 .72 .47. .85	17.003	.89	·	
		8 de	Date	6-8 8-22 6-15	9-25 5-28 7-24 5-16	7-2 6-8 5-31 9-3 7-11	5-30		
1.61 AG		days	Vol.	e2.15 .08 .70	.72.74.72.85	15.03.75	.89		
Watershed		2 da	Date	6-8 8-22 6-15	9-25 5-28 7-24 5-16	7-2 6-8 5-31 7-11	5-30		
Wate	ERVAL	day	Vol.	e 2,15 .08 .43	.72 .72 .74 .85	15325	. 89		
NSAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 d	Date	6-8 8-22 6-16	9-25 5-28 7-24 5-16 6-25	7-2 6-8 5-31 9-3 7-11	× 5-30		s Fair.
HAYS, KANSAS	ECTED 1	urs	Vol.	e 2.15 .08 .43	22. 22. 47. 85. 37.	175 175 175 175 175	.89		Quality of records:
	FOR SEI	12 hours	Date	6-8 8-22 6-16	9-25 5-28 7-24 5-16 6-25	7-2 6-8 5-31 7-11	5-30		ity of
XIMUM	VOLUME	urs	Vol.	e2.15 .08 .43	. 22 . 22 . 47. . 85 . 37	. 42 . 42 . 74 . 03	.89		
INUAL MA	IAXIMUM	6 hours	Date	6-8 8-22 6-16	9-25 5-28 7-24 5-16 6-25	7-2 6-8 5-31 9-3 7-11	5-30		ailable
PER HOUR AND ANNUAL MAX. SELECTED TIME INTERVALS	2	2 hours	Vol.	e 1.90 .08 .43	. 22 . 22 . 24 . 58 . 37	16.03 0.03 0.03 0.03 0.03	. 84	1, 5, 1, 1, 2, 2, 2	Wo hydrograph records available.
ER HOUP		2 hc	Date	6-8 8-22 6-16	9-25 5-28 7-24 5-30 6-25	7-2 6-8 5-31 9-3 7-11	5-30		aph rec
INCHES E		ur	Vol.	e1.50 .08 .43	.70 .74 .74 .58 .37	85.00 11.00	.68		hydrogi
ES IN I		1 hour	Date	6-8 8-22 6-16	9-25 5-28 7-24 5-30 6-25	7-2 6-8 5-31 9-3 7-11	5-30		oM - *
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	e 2.50 .47 1.37	2.09 .72 1.96 1.69	14.7.4.1 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	1.09		mated.
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-8 8-22 6-15	6-1 7-28 7-24 6-25	7-2 6-8 5-31 7-11	% 5-30 l No Runoff		e - estimated.
ANNUAL		YEAR		1932 1933 1934	1935 1936 1937 1938 1938	1940 1941 1942 1943 1944	1945 1946 1947		Notes:

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			tys	Vol.	1.13 1.13 1.60 1.30	1.27	1.83 1.83 1.94		
			8 days	Date	8-16 6-15 5-17 6-2 6-2	6-7 8-23 6-5 6-12	7-18 6-5 9-15 7-10	6-15 9-20 6-25	
	Watershed W-3		ys	Vol.	.18 .92 .10 .84	.77 .78 .43 1.23	2.43 2.48 2.67 1.80	88 	
	Waters		2 days	Date	8-16 6-20 5-17 6-8 9-2	6-10 8-25 6-15 6-12	7-18 6-7 9-19 7-10 7-13	6-7 5-22 6-25 6-25	
	Ä	ERVAL	day	Vol.	900.010	62 78 143 71	.39 1.14 2.48 2.66 1.80		
	NEBRASI	TIME INTERVAL	1 d	Date	8-16 6-20 5-17 6-5	6-10 8-25 6-15 6-12	7-18 6-8 9-19 7-10	6-7 7-22 9-20 6-25	
	HASTINGS, NEBRASKA		urs	Vol.	84.601.862	.59 .178 .71	2.47 2.47 2.52 1.80	88 1.148 .27 	
	HAS	FOR SELECTED	12 hours	Date	8-16 6-20 5-17 6-5	6-10 8-25 6-15 9-5 6-12	7-18 6-8 9-19 6-1 7-13	6-7 9-20 6-25 6-25	
	X LMUM S	VOLUME	hours	Vol.	81 80 01 80 80 80	652	.39 .90 2.10 2.35 1.79		
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 ho	Date	8-16 6-20 5-17 6-5	6-10 6-5 6-12 6-12	7-18 6-8 9-19 6-1	6-7 5-22 6-25 6-25	
		W	hours	Vol.	27.	74.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00	.30 .72 1.10 1.73	1,.29 .19 .36	
	SELECTED		2 ho	Date	9-13 6-20 5-17 6-5	6-10 6-5 6-5 6-5 6-12	7-18 6-8 9-19 6-1 7-14	6-7 8-22 9-20 6-26	, 1938.
- 1			hour	Vol.	14,000	Ë%434	4022	83. 11. 83.	hed in July excellent.
	N INCHE		l ho	Date	9-13 6-20 5-17 6-5	6-10 5-12 6-5 6-12	7-18 6-8 9-19 7-10 7-14	6-7 9-20 6-26 6-26	lished s: exc
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MOM	RGE	Rate	Li. 1 22,000 20,000	.35 71. 71. 15.	.30 .63 .57 1.74 1.33	1.572 1.577 200	Stationestablished in July, ity of records: excellent.
	ANNUAL MAXIMUM I VOLUMES OF F	MAXIMUM	DISCHARGE	Date	9-13 6-20 5-17 6-5	6-10 5-27 7-16 9-5 6-18	7-18 5-5 9-20 7-10	6-7 5-22 9-20 6-26	p - Stationestablish Quality of records:
8-57	ANNUAL		YEAR		p 1938 1939 1940 1941 1942	1943 1944 1945 1946 1946	1948 1949 1950 1951 1951	1953 1954 1955 1956	Notes: p

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	ys.	Vol.	.40 .02 1.52 1.28	1.31 .41 .63 .84	1.98 1.67 2.69 1.69	1,11.	
	8 da	Date	6-20 6-2 6-2 6-20 6-10	8-23 7-16 9-5 6-11 7-18	6-5 9-15 6-1 7-6	5-15 9-20 6-25	
	tys	Vol.	.34 .02 1.02 1.07	1.14	1.52 1.67 1.57 1.57	12.06	
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TERVAL	lay	Vol.	.32 .02 .03 .61 .61	1.11, 141, 36	1.20	.21	
TIME IN	1 0	Date	6-20 - 6-8 6-8 6-20 6-14	5-11 7-16 8-7 6-11 7-18	6-8 9-19 6-1 7-13	20 20 20 20 20 20 20 20 20 20 20 20 20 2	
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VOLUME	ours	Vol.	.30 .02 .12 .59 .76	1.13 .37 .35 .47	1.1 42.1 5.53 88.8	1.02 .15 .27	
MAXIMUM	6 hc	Date	6-8 6-8 6-14	5-12 7-16 8-7 6-12 7-18	6-8 9-19 6-1 7-13	5-22 6-25 6-25	
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	YEAR		p 1939 1940 1941 1942 1942	1944 1945 1946 1947 1947	1949 1950 1951 1952 1953	1954 1955 1956	Notes:
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			days	Vol.	.10 .04 1.03 1.03	1.46 e1.64 e.63 e.84	28 1.69 1.39 1.61	7.8.1 6.09 7.89 7.89 7.89	
	89		8 de	Date	8-17 6-20 6-8 6-3 6-5	6-10 8-23 7-16 9-5 6-12	7-18 6-5 9-19 7-10 7-13	6-25 6-25 6-13	
	Watershed W-8		days	Vol.	10 27 20 70 70		1.05 1.39 1.46	86 1.17 04. 	
	Water		2 de	Date	8-17 6-20 6-9 6-8	6-14 8-25 7-16 9-5 6-12	7-18 6-7 9-19 7-10 7-13	6-2 6-25 6-25 6-15	
	SKA	ERVAL	day	Vol.	.10 .03 .73	6 1,18 e 1,3 e 1,3	e .28 1.00 1.39 1.97	.86 1.17 .33 .31 3.43	
	, NEBRA	TIME INTERVAL	1 d	Date	8-17 6-20 6-9 6-8	6-14 8-25 7-16 9-5 6-12	7-18 6-8 9-19 7-10 7-13	6-7 9-20 - 6-21 6-15	
	HASTINGS, NEBRASKA		urs	Vol.	.10 .03 .46	1.10 1.10 e .58 .37	e .27	1,10 1,10 1,10 1,10 1,10 1,10 1,10 1,10	
	Ħ	FOR SELECTED	12 hours	Date	8-17 6-20 6-9 6-8 6-20	6-14 8-25 7-16 9-5 6-12	7-18 6-8 9-20 6-1 7-13	6-7 5-22 9-20 6-25 6-15	mated.
	XIMUM	VOLUME	urs	Vol.	.07 .18 .02 .27	. 25 . 25 . 26 . 28	e .23 .74 .91 1.26	.79 .27 .27 1.67	Partially estimated
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	8-17 6-20 6-9 6-22 6-5	6-14 8-25 7-16 9-5	7-18 6-8 9-20 6-1 7-14	6-7 5-22 6-26 6-15	Partial
	AND AN	X.	hours	Vol.	.03 .08 .10 .13	5. E. S. T. S.	21. 24. 56. 69. 87.	.42 .559 .11 .12	9
	PER HOUR SELECTED		2 ho	Date	8-17 6-20 6-9 6-22 6-5	6-14 8-25 7-16 9-6 6-18	7-18 6-8 9-20 6-1 7-14	6-7 9-20 6-26 6-15	y, 1938
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	ES IN I		l hour	Date	8-17 6-20 6-9 6-22 6-5	6-14 8-25 7-16 9-6 6-18	7-18 6-8 9-20 6-1 7-14	6-7 5-22 9-20 6-15	blished ds: fa
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	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	8-17 6-20 6-9 6-22 6-22	6-14 8-25 7-16 9-6 6-18	7-18 6-8 9-20 6-1 7-14	6-7 5-22 9-20 6-26 6-15	p - Station established in July, 1938. Quality of records: fair.
8-57	ANNUAL		YEAR		p 1938 1939 1940 1941 1942	1943 1944 1945 1946 1946	1948 1949 1950 1951 1951	1953 1954 1955 1956 1956	Notes:

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.18 6-8 .72 6-8 .86 6-8 .86 3.80 9-19 1.13 9-19 1.33 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-19 1.35 9-10 2.23 9-10 2.23 9-20 1.08 9-20 1.04 9-20 1.04 9-20 1.04 9-20 1.05 9-20 1.35 9-2
.80 5-22 .98 5-22 1.07 5-22 1.08 .24 9-20 .41 9-20 .43 9-20 .53 .12 6-26 .16 7-3 .23 7-2 .24 1.83 6-15 2.72 6-15 3.27 6-15 4.87

	HASTING
	AND ANNUAL MAXIMUM TIME INTERVALS
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	INVAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL I VOLUMES OF RUNGF IN INCHES FOR SELECTED THAE INVIERV
8-57	AUNUAL MAXIMUN VOLUMES OF

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		days	.Vol.	.05 1.21 .02	.01 .01 .02	.13 .08 .92 .15	77. L	-48.
H		8 de	Date	8-11 5-17 3-2 9-7 6-10	3-8 4-6 8-7 6-17	10-9 9-15 6-1 7-14 6-7	5-22 9-20 2-23	on 7-18
Watershed 1-H		days	Vol.	.05 .01 .20 T	. 01 . 01 . T	L1.0057.	.09 T	charge (
Wate		2 da	Date	8-11 5-17 3-9 9-7	11-22 14-6 8-7 6-17 7-9	10-9 9-19 6-1 7-14 6-7	5-22 9-20 2-23	num dise fair.
ASKA	ERVAL	ay	Vol.	.05 .01 .17	e .01 .02 .T	E	11. 00. T	ich are
HASTINGS, NEBRASKA	TIME INTERVAL	l day	Date	8-11 5-17 3-9 9-7	4-22 7-16 8-7 6-17 7-9		5-22 9-20 2-23	Identica ated wh
HASTING	SELECTED T	urs	Vol.	.05 .01 .17	e .01 .01 .02	L1.0.0.1.	.09 T	39. * Ty estim
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AND ANNUAL MAX TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	8-11 5-17 3-9 9-7 6-14	4-23 7-16 8-7 6-17 7-9	10-9 9-19 6-1 7-14 6-7	5-28 8-20 2-23	ablishe ose tha
AND AN	Ŋ	urs	Vol.	20. T	T .02 T	1.089 215 1.55	1,4 00. T	- Station established in March, 1939. * Identical maximum discharge on 7-18-48, except for those that are partially estimated which are fair.
PER HOUR SELECTED		2 hours	Date	8-11 5-17 3-9 9-7 6-14	4-23 6-5 8-7 6-17	10-9 9-15 6-1 7-14 6-7	5-22 9-20 2-23	- Stat except
NCHES F		ur	Vol.	0.00 0.01 10.01	eT •01 T	1. 69. 41.	بلد. 90° ت	d. p
ES IN I		1 hour	Date	8-11 5-17 3-9 9-7 6-14	5-12 6-5 8-7 6-17	10-9 9-15 6-1 7-14 6-7	5-22 9-20 2-23	stimate ds: ex
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ANNUAL WAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-11 5-17 6-5 9-7 6-11	6-17 6-5 8-7 6-17 * 7-9	10-9 9-15 7-10 6-26 6-7	5-22 9-20 2-23	e - Partially estimated, p - Station established in March, 1939, * Identical maximum di Quality of records: excellent except for those that are partially estimated which are fair.
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d 2-H		8 days	Date	8-11 5-17 6-2 9-2	8-25 7-16 9-5 4-9 7-18	6-8 9-15 6-1 7-7-14 6-7	5-22	
Watershed		days	Vol.	T .16	5.1.4.4.8.1.8.1.8.1.1.1.1.1.1.1.1.1.1.1.1	% % i & % i	9 † *	
W		2 da	Date	8-11 5-17 6-5 9-7	8-25 7-16 9-5 14-9 7-18	6-8 9-19 6-1 7-14 6-7	5-22	fair.
BRASKA	ERVAL	day	Vol.	.16 .22 .25 e .23	9 51 42 43 81	50. 16. 16. 16. 16. 16. 16. 16. 16. 16. 16	917•	ich are
HASTINGS, NEBRASKA	TIME INTERVAL	1 9	Date	8-11 5-17 6-5 9-7	8-25 7-16 9-5 11-9 7-18	6-8 9-19 6-1 141-7 6-7	5-22	in March, 1939. are partially estimated which are fair.
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	FOR	12 hours	Date	8-11 5-17 6-5 9-7	8-25 7-16 9-5 14-9 7-18	6-8 9-19 6-1 7-14 6-7	5-22	in March, 1939 are partially
XIMUM		6 hours	Vol.	1 16 222 25 25 25	e 13 127 107 18	85.05.05 85.05 85.05 85.05	911.	
AND ANNUAL MAX	MAXIMUM VOLUME	6 hc	Date	8-11 5-17 6-5 9-7	8-25 7-16 9-5 1-9 7-18	6-8 9-19 6-1 7-14 6-7	5-22	tablishe
A AND AN	2	hours	Vol.	1 22 22 14.	11. 142. 19. 18.	808879	.977	- Station established except for those that
PER HOUR AND ANNUAL MAXIMUM SELECTED TIME INTERVALS		2 hc	Date	8-11 6-8 6-5 9-7	8-25 7-16 9-5 4-9 7-18	6-8 9-19 6-1 7-14 6-7	5-22	- Star
INCHES I		our	Vol.	1. 16 .21 .25 .09	21.	23 00 12,00 00 05	777	ed. p
IGES IN INCHES		l hour	Date	8-11 6-8 6-5 9-7	8-25 7-16 9-5 4-9 7-18	6-8 9-19 6-1 7-14 6-7	5-22	estimatords: e
DISCHARC RUNOFF 1	MUM	ARGE	Rate	1.1. 01. .80 .39	. 57 . 61 . 10 . 40 . 40	.49 .07 1.89 1.86	1.89	- Partially estimated.
ANNUAL MAXIMUM DISCHARGES IN INCHES FOR VOLUMES OF RUNOFF IN INCHES FOR	MAXIMUM	DISCHARGE	Date	8-11 71-7 71-8 71-9 7-9-7	5-27 7-16 8-7 6-17 7-18	6-8 6-16 7-10 7-11, 6-7	5-22	e - Partially estimated, p - Station established Quality of records; excellent except for those that
ANNUAL		YEAR		p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes:

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			days	Vol.	.93 .31 3.01 1.62 1.97	2.90 1.84 1.81 1.81	2.79 2.56 1.31 2.66 1.47	2.27	
	3-н		8 de	Date	6-15 3-9 6-2 6-20 6-7	8-23 6-5 9-5 6-11 7-18	6-5 9-15 6-1 7-12	5-15	
	Watershed 3-H		days	Vol.	.66 1.47 1.16	1.98 1.72 1.13	1.98 2.47 3.74 2.53 1.39	1.87	
	Wat		2 da	Date	6-20 3-15 6-8 6-5 6-10	8-25 6-5 9-5 6-11 7-18	6-6 9-19 6-1 7-12 6-7	5-22	e fair.
	ASKA	ERVAL	day	Vol.	.56 1.14 1.05	1.98 1.24 1.13	1.46 2.47 3.74 2.50 1.39	1.87	hich ar
	HASTINGS, NEBRASKA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 d	Date	6-20 6-5 6-5 6-5	8-25 6-5 9-5 6-11 7-18	6-8 9-19 6-1 7-13	5-22	p - Station established in March, 1939 for those that are partially estimated which are fair.
	HASTING	ECTED T	hours	Vol.	.56 .16 1.00 .93	1.97 1.15 1.13	2.46 3.74 2.50 1.39	1.76	in Marc ly esti
		FOR SEL	12 ho	Date	6 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	8-25 6-5 9-5 6-11 7-18	0-8 9-19 6-1 7-13	5-22	lished partial
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	AND ANNUAL MAXIMUM TIME INTERVALS	AXIMUM	9 Po	Date	6-5 6-5 6-5 6-5	8-25 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-13	5-22	Station hose that
		A	hours	Vol.	20,00,00	1.21 e .77 .91 .84	1.23 1.09 e2.30 2.12 1.39	1.74	l. p -
	PER HOUR SELECTED		S ho	Date	8-14 3-16 6-5 6-5 6-10	8-25 6-5 8-7 6-12 7-18	5-5 9-19 7-10 7-14 6-7	5-22	tially estimated. excellent except
			ur	Vol.	<u> </u>	.72 e .77 .91	1.08 .71 e2.23 1.76	1.28	tally es
	ES IN I		1 hour	Date	8-11 6-8 6-5 6-10	8-25 6-5 8-7 6-12 7-18	5-5 9-19 7-10 7-7 6-7	5-22	ords:
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MOM	ARGE	Rate	3.64 3.94 3.94 2.69 3.41	3.14 6.3.50 5.42 1.90 3.84	4.550 5.50 4.17	4.37	imated of reco
	ANNUAL MAXIMUM I VOLUMES OF I	MAXIMUM	DISCHARGE	Date	8-11 6-8 6-8 8-7 6-10	8-29 6-5 8-7 6-12 7-18	5-5 7-17 7-10 6-26 6-7	5-22	e - Estimated or partially Quality of records: excell
8-57	ANNUAL		YEAR		p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes:

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Watershed 4-H		days	Vol.	.50 .889 .100	.94 .60 .61 .61 .53	1.23 2.40 3.19 1.99	1.52	
Wate		2 de	Date	6-20 6-8 6-8 8-5 6-10	5-27 7-16 9-5 6-11 7-18	10-9 9-19 6-1 7-13	5-22	
ASKA	ERVAL	ay	Vol.	245 273 273 89	.93 1.04 161 .53	1.23 2.40 3.19 1.99	1,52	
S, NEBR	TIME INTERVAL	l day	Date	6-20 6-8 6-5 8-7 6-10	5-27 7-16 9-5 6-11 7-18	10-9 9-19 6-1 7-13	5-22	
HASTINGS, NEBRASKA		urs	Vol.	14. 14. 17. 17.	1.000	1.23 2.40 3.19 1.99	1.52	
	FOR SELECTED	12 hours	Date	6-20 6-8 6-5 8-7 6-14	5-27 7-16 9-5 6-11 7-18	10-9 9-19 6-1 7-13	5-22	
XIMUM	VOLUME	urs	Vol.		1.000 to 2.00	1.08	1.52	
AND ANNUAL MAX TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-20 6-8 6-5 8-7 6-14	5-27 7-16 9-5 6-12 7-18	6-8 9-19 6-1 7-13	5-22	
AND AN	W	urs	Vol.	88.33	0,1,8,1,v, W.7, E.W.		1,50	.61
PER HOUR SELECTED		2 hours	Date	6-20 6-8 6-5 8-7 6-14	5-27 6-5 8-7 4-9 7-18	6-8 9-19 6-1 6-26	5-22	11, 1939
NCHES F		ur	Vol.	.33 .28 .77 .75	24.88 24.88 25.88 25.88	.70 .77 1.68 1.34 1.34	1:,06	in Apr cellent
ES IN I		1 hour	Date	6-20 6-8 6-5 8-7 6-14	5-27 6-5 8-7 6-17 7-18	10-9 9-19 7-10 7-14 6-7	5-22	ablished ds: ex
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	4UM	LRGE	Rate	11222 2422 380 380 380	3.95 2.32 5.01 5.01 2.44	2.56 2.35 7.19 1.35	3,95	ion esta of reco
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-11 6-8 6-5 8-7 6-14	5-27 6-5 8-7 6-22 7-18	10-10 9-19 7-10 6-26 6-7	5-22	p - Station established in April, Quality of records: excellent.
ANNUAL		YEAR		p 1939 1940 1941 1942, 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes:

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ш		8 de	Date	6-15 3-15 6-2 6-2 6-7	8-25 6-5 9-5 11-9	6-5 9-15 6-1 7-13	6-15 6-25 6-25	
Watershed 5-H		days	Vol.	141 .06 1.02 .79 .83	1.26 .70 .83 .66	1.57	1,56 141. 565.	
Water		2 da	Date	6-8 6-8 6-10	8-25 6-5 9-5 6-11 7-18	6-6 9-19 6-1 7-12 6-7	51-22 0-120 0-120	
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, NEBRA	TME INT	1 9	Date	6-20 3-16 6-8 8-7 6-10	8-25 6-5 9-5 6-11 7-18	6-8 9-19 6-1 7-13	20 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 5	
HASTINGS, NEBRASKA	FOR SELECTED TIME INTERVAL	urs	Vol.	.37 .58 .67	1.26	1.17 1.89 2.76 2.01	1.56 .38 .42	
H	FOR SEI	12 hours	Date	6-20 3-16 6-5 8-7 6-10	8-25 6-5 9-5 6-11 7-18	6-8 9-19 6-1 7-13	6-1-22 6-1-25 6-1-25	
XIMUM	VOLUME	urs	Vol.	.37 .56 .572 .67	1.24 -70 -61 .61	1.17 1.71 2.58 2.01	1.52	
AND ANNUAL MAX. TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-20 3-15 6-5 8-7 6-10	8-25 6-5 9-5 7-18	6-8 9-19 6-1 7-13	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
AND AN	A	urs	Vol.	.30 .01 .54 .72	.79 .70 .52 .40	.90 1.59 1.78 1.61	1.08	
ER HOUF		2 hours	Date	6-20 6-8 6-5 8-7 6-10	8-25 6-5 6-12 7-18	5-5 9-19 6-1 7-7-14	69-28 69-28 69-89	, 1939.
NCHES F		ur	Vol.	30.72	1,32,57	1,48 1,48 1,41 1,41	1.07	n April
ES IN I		1 hour	Date	6-20 6-8 6-5 8-7 6-10	8-25 6-5 6-12 7-18	5-5 9-19 7-10 7-14 6-7	5-22 6-4 6-26	ished i
DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	AUM	LRGE	Rate	.71 .03 .82 2.35	2.27 2.27 1.03 1.56	2.13 1.94 3.10 2.94 1.22	2.78	n estab] of reco
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-11 6-8 6-5 8-7 8-7	8-29 6-5 9-5 7-18	5-5 7-23 7-10 7-14	6-13 6-13 6-13 6-13	p Station established in April, Quality of records: excellent.
AINTUAL		YEAR		p 1939 1940 1941 1941 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	Notes:

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MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INVESTMALS MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INVESTMALS	H		8 day	Date				5-22 9-20 6-25	
MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INVESTMALS MAXIMUM DISCHARGES IN INCHES FOR SELECTED TIME INVESTMALS	shed 6-		ys	Vol.	69 .25 .25 .84 .76	e . 89 e . 78 e1.928 . 58	1.72 1.98 1.72 1.72	1.87	
	Water			Date	6-20 5-17 6-8 6-20 6-10		6-6 9-19 7-10 7-12 6-7	5-22 9-20 6-25	fair.
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	S, NEBH	TIME IN	1 0	Date	6-20 5-17 6-5 6-20 6-10	5-11 7-16 9-5 6-11 7-18	6-8 9-19 7-10 7-13	5-22 9-20 6-25	1939. ated wh
	HASTING	ECTED 1	urs	Vol.		e .89 e1.30 .58	1.26 1.98 2.80 1.71	1.87 .48 .45	n April y estin
		FOR SEI	12 hc	Date	6-20 5-17 6-5 6-20 6-14		6-8 9-19 6-1 7-13	5-22 9-20 6-25	ished i
	X IMUM	VOLUME	urs	Vol.	6.758 .76 .76	e .85 e1.30 .55	1.25 1.79 2.64 1.71 1.00	1.80 148 245.	n establat at are p
	INUAL M	TAXIMUM	6 hc	Date	6-20 6-5 6-20 6-14	5-11 7-16 9-5 6-12 7-18	6-8 9-19 6-1 7-13	5-22 9-20 6-25	Station lose tha
	AND AN	~	urs	Vol.		e .85 e .54 el.12 .42	2.09 1.58 1.58	1.79 .37 .36	for th
	PER HOUR		2 hc	Date	6-20 5-17 6-5 8-7 6-14		5-5 9-19 6-1 141-7	5-22 9-20 6-25	timated,
	INCHES ESS FOR S		our	Vol.	.59 12. 74. 76. 59	e .75 e .54 e1.11 .38		1.54 2.25 .35 .35	ally est xcellent
	ES IN I		1 hc	Date	6-20 5-17 6-5 8-7 6-14	5-27 7-16 9-5 6-17 7-18	5-5 9-19 7-10 7-14	5-22 6-14 6-26	r partis
	DISCHARGRUNOFF	MOW	ARGE	Rate	1.50 .61 .01 2.28 1.64	3.19 1.95 3.74 1.08 2.57	2.28 2.34 4.79 2.93 1.78	5.70	mated of
VO.	MAXIMUM DE	MAXII	DISCH	Date	6-20 5-17 6-5 8-7 6-10	5-27 7-16 9-5 6-12 7-18	5-5 6-16 7-10 6-26 6-7	5-22 6-3 6-27	e - Estin
	ANNUAL VOI		YEAR		p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	Notes:

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		ß	Vol.	.85 .30 1.04 1.23	45. 58. 12. 75.	2.51 2.30 1.60 .90	1.59	e on
		8 days	Date	6-12 5-17 6-2 6-20 6-7	7-16 9-5 6-12 7-18	6-5 9-15 7-10 6-5	5-25 -25 -25 -25	* Identical maximum discharge on timated which are fair.
Watershed 7-H		days	Vol.	46. 30 14. 83 43.	e .88 e .63 e1.82 .33	1.83	1,58 77.	* Identical maximum dis estimated which are fair.
Waters		2 de	Date	6-20 5-17 6-5 6-20 6-10	5-11 7-16 9-5 6-12 7-18	6-6 9-19 7-10 7-13	5-22 9-20 6-25	tical m
ASKA	INTERVAL	1 day	Vol.	.63 .30 .17 .75	e .88 e .63 e1.28 .33	1.31	1 87.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	* Ider
HASTINGS, NEBRASKA	TIME IN	1	Date	6-20 5-17 6-5 6-20 6-10	5-11 7-16 9-5 6-12 7-18	6-8 9-19 6-1 7-13 6-7	5-22 9-20 6-27	
ASTINGS	SELECTED	ours	Vol.	6.00.4.7.5.00.00.00.00.00.00.00.00.00.00.00.00.0	e .88 e .63 e1.20 .33	1.30	1.58	Ly estir
	FOR	21	Date	6-20 5-17 6-5 6-20 6-14	5-11 7-16 9-5 6-12 7-18	6-8 9-19 6-1 7-13	5-22 9-20 6-27	partial
AXIMUM	MAXIMUM VOLUME	6 hours	Vol.	. 6. 44. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	e .86 e63 el.20 .33	11111 0808.48	1.53	Estimated or partially estimated. cept for those that are partially
NNUAL M	MAXIMUM	6 h	Date	6-20 6-5 6-20 6-14	5-11 7-16 9-5 6-12 7-18	6-8 9-19 6-1 7-13	5-22 9-20 6-27	- Estimated or partially estimated. except for those that are partially
PER HOUR AND ANNUAL MAX SELECTED TIME INTERVALS		2 hours	Vol.	o Vatra Vatra	e .86 e .49 e1.06 .24		27. 17. 01.	ent e
PER HOU		S h	Date	6-20 5-17 6-5 8-7 6-10	5-11 7-16 9-5 6-12 7-18	6-8 9-19 6-1 7-14 6-7	5-22 9-20 6-27	ril 1939
INCHES ES FOR		our	Vol.	e 5,5,5,5,5 7,5,5,5 7,5,5 7,5 7,5 7,5 7,5	.74 e.49 e1.05	.72 .73 1.00 1.18	1.39 4.5. 4.5.	d in Apri
SES IN		1 hour	Date	6-20 5-17 6-5 8-7 6-10	5-27 7-16 9-5 6-17 7-18	5-5 9-19 7-10 7-13 6-7	5-22 9-20 6-27	established
DISCHAR	MUM	ARGE	Rate	1.61	3.25 1.81 3.66 1.27	2.15 1.83 2.61 2.37 1.57	1.76 1.56 1.11	ion est
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-20 5-17 6-5 8-7 6-10	5-27 7-16 9-5 6-12 7-18	* 5-16 7-10 7-10 5-21 6-6	5-22 6-3 6-27	p - Station established in April 1939.
ANNUAL		YEAR		1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955 1956	Notes:

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		8 days	Date V	2-15 5-2 8-5 5-7	5-20 7-16 9-5 6-12 7-18	5-18 9-15 6-1 7-12 1 6-7	5-18	
Watershed 8-H		days	Vol.	.65 .02 .67 .49	e .84 .25 .10 .13	38 1.90 2.46 1.40 .71	1.42	
		2 da	Date	6-20 2-11 6-8 8-5 6-10	5-11 7-16 9-5 6-12 7-18	5-20 9-19 6-1 7-13	5-22	fair.
ASKA	INTERVAL	l day	Vol.	.62 .02 .64 .49	e .84 .09 .13 .25 .24	.38 1.90 2.46 1.40	1.42	estimated.
HASTINGS, NEBRASKA	TIME IN	1 0	Date	6-20 2-11 6-5 8-5 6-10	5-11 7-16 9-5 6-12 7-18	5-20 9-19 6-1 7-13	5-22	estimated.
HASTING	ECTED 1	ours	Vol.	.62 .02 .61 .48 e .94	e .82 .25 .09 .13	2.46 1.40 1.40	1.42	ly estir ly estir
	FOR SELECTED	12 hours	Date	6-20 2-11 6-5 8-7 6-14	5-11 7-16 9-5 6-12 7-18	5-20 9-19 6-1 7-13	5-22	partial partial
XIMUM	VOLUME	urs	Vol.	.62 .02 .61 .61 .63	e .82 .09 .12 .24	.38 1.88 2.35 1.40	1.42	- Estimated or partially those that are partially
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-20 2-11 6-5 8-7 6-14	5-11 7-16 9-5 6-17 7-18	5-20 9-19 6-1 7-13	5-22	Estima lose tha
	W	hours	Vol.	.50 .02 .61 .61 .94	e .82 .20 .08 .12	.37	1.40	e
PER HOUR SELECTED		2 hc	Date	6-20 2-11 6-5 8-7 6-14	5-11 7-16 9-5 6-17 7-18	5-5 9-19 6-1 141-7	22 22	ril 1939 t excep
		hour	Vol.	.50 .01 .48 .93	.72 .20 .11 .11	.34 .70 1.47 1.08	66.	d in Ap
NG PA		1 ho	Date	6-20 2-11 6-5 8-7 6-14	5-27 7-16 9-5 6-17 7-18	5-5 9-19 7-10 7-14	77 - 25	ablishe rds: e
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	2.67 .01 .92 1.39 3.66	2.13 .78 .34 .20	2.65 2.65 2.88 1.03	2,15	ion est
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	8-11 2-11 6-5 8-7 6-10	5-27 6-5 8-7 6-17 7-18	5-5 9-19 7-10 7-14 6-7	5-22	p - Station established in April 1939, e - Estimated or partially quality of records; excellent except for those that are partially
ANNUAL		YEAR		p 1939 1940 1941 1942 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes:

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			days	Vol.	.50 1.03 1.48	1.07	2.12 e1.90 2.49 1.38	1.74	
			8 de	Date	6-20 3-9 6-2 6-20	5-20 7-16 9-5 6-11 7-18	6-5 9-19 7-10 7-13 6-5	22 - 22	
	н-6 рэ		days	Vol.	.41 .02 .53 .89 e1.13	5.49.1 20.13.85.	1.52 e1.90 2.44 1.34	1.64	
	Watershed 9-H		2 da	Date	6-20 3-15 6-8 9-2 6-10	5-27 7-16 9-5 6-11 7-18	6-6 9-19 7-10 7-13 6-7	5-22	fair.
		ERVAL	day	Vol.	.34 .022 .148 .75	57. 43. 88. 88.	1.15	1.64	ch are
	NEBRAS	IME INT	1 d	Date	6-20 5-17 6-5 9-2 6-10	5-27 7-16 9-5 6-11 7-18	6-8 9-19 7-10 7-13 6-7	5-22	ted.
	HASTINGS, NEBRASKA	ECTED T	urs	Vol.	.34 .02 .46 .75	37. 499. 33. 33. 36.	1.34	1.64	estimated.
	HA	FOR SEL	12 hours	Date	6-20 5-17 6-5 9-2 6-10	5-27 7-16 9-5 6-11 7-18	6-8 9-19 6-1 7-13	5-22	rtially rtially
	XIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	46. 20. 24. 54. 94.	57. 446. 58. 33. 58.	1.14 e 1.10 1.85 1.34	1.56	- Estimated or partially those that are partially
	AND ANNUAL MAXIMUM TIME INTERVALS	AXIMUM	6 hours	Date	6-20 5-17 6-5 6-5	5-27 7-16 9-5 6-12 7-18	6-8 9-19 6-1 7-13	5-22	stimate se that
		M	hours	Vol.	23. 01. 58. 159.	5.8.00.2%		1.56	for the
	PER HOUR SELECTED		2 ho	Date	6-20 5-17 6-5 6-5	5-27 7-16 9-5 6-17 7-18	6-8 7-17 6-1 7-14 6-7	5-22	1 1939. except
	INCHES P		ur	Vol.	25.0° 6.3° 6.4° 6.4° 6.4° 6.4° 6.4° 6.4° 6.4° 6.4	7.80.8.W	.67 1.29 1.05	1.26	in Apri
	ES IN I		1 hour	Date	6-20 5-17 6-5 6-5 6-10	5-27 7-16 9-5 6-17 7-18	5-5 7-17 7-10 7-14 6-7	72 22	lished ls: exc
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	1.87 .04 .94 2.04 1.75	2.83 2.54 2.54 2.57	1.93 1.53 1.73 1.73	5,20	on estab f record
	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN	MAXIMUM	DISCHARGE	Date	8-11 5-17 6-5 8-7 6-10	5-27 7-16 9-5 6-17 7-18	5-5 7-17 7-10 7-14 6-7	52 - 22	p - Station established in April 1939. e - Estimated or partially estimated. Quality of records: excellent except for those that are partially estimated which are fair.
1010	ANNUAL		YEAR		1940 1940 1941 1942 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes: p

AINIUAL VO:	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARGES RUNOFF IN	ES IN INCHE	INCHES FOR S	PER HOUR SELECTED	AND A	AND ANNUAL MAX TIME INTERVALS	XIMUM	,4	HASTINGS, NEBRASKA	S, NEBR	ISKA	Water	Watershed 10-H	7	
	MAXIMUM	MUM				~	MAXIMUM VOLUME		FOR SELECTED	ECTED T	TIME INT	INTERVAL				
YEAR	DISCHARGE	IARGE	l ho	hour	2 hc	2 hours	6 hours	ours	12 hours	urs	l day	ay	2 da	days	8 da	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
p 1939 1940 1941 1942 1942	8-9 7-8 7-8	42°05°2°2°2°2°2°2°2°2°2°2°2°2°2°2°2°2°2°2	8-9 11-8 6-8 7-9 6-7	20199	8-9 6-8 6-7 6-7	00.02	6-8	50° 51° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50	6-8 6-8 7-6 7-6	20° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2°	6-8 6-8 7-9	60° 20° 20° 20° 20° 20° 20° 20° 20° 20° 2	6-20 6-8 6-7 6-20	00. 00. 1.3 1.06	6-20 6-8 6-2 6-2	10.02 1.02 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03
1944 1945 1946 1946 1948	6-17 6-17 6-17 6-17	2.33 1.89 1.46 2.96	5-12 7-16 9-5 6-17 6-26	84.24.	5-12 7-16 9-7 6-12 6-26	841. 841. 872.	5-11 7-16 9-7 6-12 6-26	199	5-15 6-15 6-15 6-16	5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2-5-11-6-15-15-15-15-15-15-15-15-15-15-15-15-15-	57.7.9.1	1-5-1-6-1-6-1-6-1-6-1-6-1-6-1-6-1-6-1-6-	27. 1.25 1.61	5-11 6-15 6-11 6-21	1.75 1.75 1.12 1.12 1.142
1949 1950 1951 1952	6-8 9-19 7-10 7-14 6-7	1, 69 3, 10 2, 69 89 89 89	6-8 9-19 7-10 7-14 6-7	63. 13. 13. 13. 13. 13. 13. 13. 13. 13. 1	6-8 9-19 7-10 7-14 6-7	.81 .86 1.42 1.78	6-8 9-19 6-1 7-13	1.11 1.43 1.73 2.10	6-8 9-19 6-1 7-13	1.11 1.49 1.87 2.10	6-8 9-19 6-1 7-13	1.12 1.49 1.87 2.10	6-6 9-19 7-10 7-13 6-7	1.50 1.49 2.28 2.10	6-5 9-15 7-10 7-13	2.14 2.98 2.98 2.14 2.69
1954	5-22	3.71	5-22	1.12	5-22	1.26	5-22	1.29	5-22	1.43	5-22	1.43	5-22	1.43	5-22	1.49
Notes:	p - Stat Quality	p - Station established in April Quality of records: excellent.	lblishec ds: ex	l in Apr ccellent	11 1939.											

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ANNOAL	ANNOAL MALTAND DISCHARAES IN INCHES FER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGEF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	IN INCHE	S FOR	PER HOUR AND ANNUAL MAX. SELECTED TIME INTERVALS	AND AN	INUAL MA	X IMOM	1 2	IASTINGS	HASTINGS, NEBRASKA	SKA	Water	Watershed 11-H	Ŧ	
	MAXIMUM	MUM				X	MXIMUM	VOLUME	FOR SEL	ECTED 1	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	urs	6 ho	hours	12 hours	ours	1 day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1939 1940 1941 1942 1942	8-11 6-8 6-8 8-7 6-10	2,68	6-20 6-8 6-5 8-7 6-10	84.87.4°	6-20 6-8 6-5 8-7 6-10	90° 11° 50° 11° 50° 11° 50° 11° 11° 11° 11° 11° 11° 11° 11° 11° 1	6-20 6-8 6-5 8-7 6-10	87.87.	6-8 6-8 6-8 8-7 6-10	60° 77° 29° 29°	6-8 6-8 6-8 8-7 6-10	90° 11.1 74° 76°	6-8 6-8 8-5 6-10	11. 14. 15. 15. 15.	6-15 6-8 6-5 6-16 6-7	.12 .14 1.98 .78 1.83
1944 1945 1946 1947 1948	5-12 6-5 6-7 7-18	1.98 2.76 3.61 .92 1.98	5-27 6-5 8-7 6-12 7-18	. 60 . 60 . 76 . 111 . 151	5-11 6-5 6-12 7-18	7,00 5 6. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	8-25 6-5 9-5 6-12 7-18	200 200 200 200 200 200 200 200 200 200	8-25 6-15 9-5 6-12 7-18	60 60 77 77 74	8-25 6-15 9-5 6-12 7-18	26. 1.05. 77. 145	8-25 6-15 9-5 6-12 7-18		8-25 6-15 9-5 6-12 7-18	1.46 1.59 1.18
1949 1950 1951 1952 1953	10-10 9-19 7-10 6-26 6-7	2.81 2.62 1.77 5.28 1.33	10-9 9-19 7-10 7-14 6-7	.91 .93 1.76 1.50	6-8 9-19 7-10 7-14 6-7	7.1.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	6-8 9-19 6-1 7-13	1.45 1.37 2.65 2.16	00-9 9-19 6-1 7-13	1.48 2.52 2.53 2.16 .85	10-9 9-19 6-1 7-13	1.48 2.52 2.87 2.87 2.16	6-6 9-19 6-1 7-12 6-7	1.93 2.52 2.87 2.20 .85	6-5 9-15 6-1 7-12 6-7	2.36 2.52 3.47 2.37
1954	5-22	2.83	5-22	. 65	5-22	1,38	5-22	1.39	5-22	1.39	5-22	1.42	5-22	1.42	5-16	1.45
lotes:	p - Station established in April 1939 Quality of records: excellent.	ion estal	blished ds: ex	in Apr cellent	11 1939].										

		ys	Vol.	.20 1.07 1.02 2.14	1.28 .46 2.12 1.76 1.76	1.98 3.34 2.90 1.59	1.89			
-2-Н		8 days	Date	8-7 6-8 6-2 6-2 6-20	5-20 7-16 9-5 6-11 7-18	6-5 9-15 6-1 7-6 5-27	5-18			
Watershed 12-H		days	Vol.	.19 .23 .65 .65 .87	1.00	1.65 3.24 2.37 e1.90 1.59	1.66			
Wate		2 da	Date	8-11 6-8 6-8 9-2 6-10	5-27 7-16 9-5 6-11 7-18	6-6 9-19 6-1 7-13 5-27	5-22			
ASKA	INTERVAL			1 day	Vol.	.19 .23 .60 .87 1.09	.99 .46 1.30 1.19	1.33 3.24 2.37 e1.90	1.66	air.
HASTINGS, NEBRASKA	TIME INI	1 d	Date	8-11 6-8 6-8 9-2 6-10	5-27 7-16 9-5 6-11 7-18	10-9 9-19 6-1 7-13 5-27	5-22	mated. h are f		
HASTING	SELECTED 1	urs	Vol.	.19 .23 .38 .81	.99 .46 1.30 1.19	1.33 3.24 2.37 e 1.90	1.66	ly estined which		
	FOR	12 hours	Date	8-11 6-8 6-5 9-2 6-10	5-27 7-16 9-5 6-11 7-18	10-9 9-19 6-1 7-13 5-27	7-22	partial estimat		
XIMUM	VOLUME	urs	Vol.	.19 .22 .38 .60	.99 .46 1.17 1.17	1.32 2.98 2.15 6.1.90	1.57	ted or are		
INUAL MA	MAXIMUM VOLUME	6 hours	Date	8-11 6-8 6-5 8-7 6-10	5-27 7-16 9-5 6-12 7-18	6-8 9-19 6-1 7-13	77 - 22 - 22	Estima hose th		
AND AN	2	nrs	Vol.	.19 .21 .37 .60 .82	.99 .90 .78 .78	1.75	1.56	9. e -		
ER HOUF		ur 2 hours	Date	8-11 6-8 6-5 8-7 6-10	5-27 6-5 8-7 6-12 7-18	10-9 9-19 7-10 6-26 6-7	72 - 22	ril 193 t excep		
INCHES I					Vol.	.19 .33 .60 .81	.98 .41 .90 .64	1.08 1.71 1.28 1.81	1.03	d in Ap xcellen
ES IN I		1 hour	Date	8-11 6-8 6-5 8-7 6-10	5-27 6-5 8-7 6-12 7-18	5-5 9-19 7-10 7-14	5-22	ablishe rds: e		
DISCHARGES IN INCHES PER HOUR AND ANNUAL WAX RUNGF IN INCHES FOR SELECTED TIME INTERVALS	MUM	ARGE	Rate	1.59 1.07 2.02 2.62 2.47	4.17 6.78 6.58 3.65	4.66 4.15 5.07 7.43 1.97	4.36	ion est of reco		
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-11 6-8 10-8 8-7 6-11	5-27 6-5 8-7 6-12 7-18	7-13 9-19 7-10 6-26 6-7	7-22	p - Station established in April 1939. e - Estimated or partially estimated. Quality of records: excellent except for those that are estimated which are fair.		
ANNUAL VOI		YEAR		p 1939 1940 1941 1942 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes:		

			Vol.	.37 .16 el.88 1.38 e2.15	2.20 1.61 1.90 .75	2.78 2.26 3.44 1.79 1.00	2.20		
		8 days	Date V	6-15 6-8 6-2 6-20 1 6-7	8-23 62 6-5 9-5 7-18	6-5 9-15 6-1 7-13 1	5-15 2	C + C	
Watershed 13-H		ß	Vol.	.27 6 .15 6 61.28 6 .70 6	1.59	2.25 2.25 1.72 1.72	1.86		
Watersh		2 days	Date	6-20 6-8 6-8 8-7 6-10	8-25 6-5 9-5 7-18	6-6 9-19 6-1 7-13 6-7	5-22		
SKA	ERVAL	day	Vol.	.23 .16 el.15 .70	1.59	1.36 2.25 2.95 1.72 1.00	1.86		
, NE RASKA	TIME INTERVAL	1 d	Date	6-20 6-8 6-8 8-7 6-10	8-25 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-13	5-22		
HASTINGS,		urs	Vol.	e 159 88 88 88	1.59	1.36 2.25 2.95 1.72 1.00	1.86		
H	FOR SELECTED	12 hours	Date	6-20 6-8 6-5 8-7 6-10	8-25 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-13	5-22	-	
X IMUM S	VOLUME	6 hours 12 ho	Vol.	e :23	1.58 .61 1.09 .43	1.36 2.06 2.73 1.72	1.74		
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hc	Date	6-20 6-8 6-5 8-7 6-10	8-25 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-13 6-7	5-22		
AND A		hours	Vol.	e 25.58	64 18 18 65 65	1.36 1.84 1.58	1.70		
PER HOUR SELECTED		2 ho	Date	8-11 6-8 6-5 8-7 6-10	8-25 6-5 9-5 14-9 7-18	5-5 9-19 6-1 7-13 6-7	5-22		
			1 hour	Vol.	e .12 .70 .86	300 × 200 8 × 200	.82 .72 1.72 1.34	1.09	p - Station established in April 1939. e
TES IN		1 hc	Date	8-11 6-8 6-5 8-7 6-10	8-25 6-5 9-5 6-17 7-18	5-5 9-19 7-10 7-13 6-7	5-22		
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	e 2.92 3.83	2.58 2.96 1.97 .70	3.29 2.51 4.33 1.25	3.69		
ANNUAL MAXIMUM I VOLUMES OF 1	MAXIMUM	DISCHARGE	Date	8-11 6-8 6-5 8-7 6-10	5-27 6-5 8-7 6-26 7-18	7-13 7-17 7-10 7-10 6-7	5-22		
ANNUAL		YEAR		p 1939 1940 * 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954		

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		ß	Vol.	.22 .07 .91 .91 1.79	1.39	3.18	1.90				
н1		8 days	Date	6-15 6-2 6-2 9-2 6-7	8-25 6-5 7-11 7-18	6-5 9-15 6-1 7-13 6-7	5-22				
Watershed 14-H		ys	Vol.	.21 .07 .64 1.88	1.50	2.20 2.11 3.05 1.93	1.68				
Wate		2 days	Date	6-20 5-17 6-8 9-2 6-10	8-25 6-5 6-11 7-18	6-6 9-19 6-1 7-13	5-22				
PASKA	ERVAL	ay	Vol.	1.88 1.88 1.85	1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	1.55 11.53 3.05 1.93	1.68				
HASTINGS, NEBRASKA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	6-20 5-17 6-8 9-2 6-10	8-25 6-5 9-5 6-11 7-18	6-8 9-19 6-1 7-13 6-7	5-22				
HASTIN	ECTED I	urs	Vol.	71. 07. 10.64. 17.	1.50	3.05 11.93 1.93 .87	1.68				
	FOR SEI	12 hours	Date	6-20 5-17 6-8 9-2 6-14	8-25 6-5 9-5 6-11 7-18	6-8 9-19 6-1 7-13 6-7	5-22				
XIMUM	VOLUME	6 hours	Vol.	.17 .07 .28 1.03	1.50 1.51 .75 .75	1.50 1.97 2.78 1.93	1,55				
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TEME INTERVALS	MUMIXE	6 hc	Date	6-20 5-17 6-8 9-2 6-14	8-25 6-5 6-12 7-18	6-8 9-19 6-1 7-13 6-7	5-22				
A AND AN		hours	Vol.	.09 .06 .28 .77	8° 12° 12° 12° 12° 12° 12° 12° 12° 12° 12	1.01	1.54	6			
PER HOUR SELECTED		2 hot					Date	6-20 5-17 6-8 8-7 6-14	5-27 6-5 9-5 6-17 7-18	5-5 9-19 6-1 7-13 6-7	5-22
INCHES I			1 hour 2	Vol.	.09 .06 .28 .77	8 7 9 1 2	.91 .63 1.58 1.37	1,01	d in Ap xcellen		
ES IN I		1 hc	Date	6-20 5-17 6-8 8-7 6-14	5-27 6-5 9-5 7-18	5-5 9-19 7-10 7-13 6-7	5-22	ablishe rds: e			
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	.36 .13 1.55 3.64 2.18	1.38 2.46 1.92 1.48 2.80	3.32 3.97 3.97 1.58	3.94	ion est of reco			
AL MAXIMUM VOLUMES OF	MAXIMUM	DISCHARGE	Date	6-20 5-17 6-8 8-7 6-10	5-27 6-5 8-7 6-17 7-18	7-13 7-17 7-10 7-10 7-14 6-7	5-22	p - Station established in April 1939 Quality of records: excellent.			
ANNUAL I		YEAR		p 1939 1940 1941 1942 1942	1944 1945 1946 1947 1947	1949 1950 1951 1952 1953	1954	Notes:			

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			days	Vol.	.45 .04 1.77 1.57 2.00	1.26	2.67 2.06 3.65 1.60	2.25	
	5-н		8 da	Date	6-15 6-8 6-2 9-2 6-10	8-23 6-15 9-5 6-11 7-18	6-5 9-15 7-10 7-13 6-5	5-22	
	Watershed 15-H		days	Vol.	.36 .004 1.00 1.17	.90 .65 1.73 .95	1.23 2.06 3.65 1.52	1.97	
	Wate		2 da	Date	6-20 6-8 6-8 9-2 6-10	5-27 6-15 9-5 6-11 7-18	6-8 9-19 7-10 7-13 6-7	5-22	
	SKA	ERVAL	day	Vol.	.32 .04 .75 1.17	.90 1.03 1.03 .95	1.23 2.06 2.78 1.52 1.92	1.97	
	HASTINGS, NEBRASKA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 d	Date	6-20 6-8 6-8 9-2 6-10	5-27 6-15 9-6 6-11 7-18	6-8 9-19 6-1 7-13	5-22	
	ASTINGS	ECTED I	urs	Vol.	.32 .04 .04 .05 .05 .04	98.55 98.57 95.57	1.23 2.06 2.78 1.52	1.95	
	H	FOR SEL	12 hours	Date	6-20 6-8 6-8 9-2 6-14	5-27 6-15 9-7 6-11 7-18	6-8 9-19 6-1 7-13	5-22	
	XIMUM	VOLUME	urs	Vol.	.32 .04 .62 .87	.90 .47 .77 .88	1.23 1.20 2.57 1.52 1.92	1.58	
	AND AHNUAL MAXIMUM TIME INTERVALS	AXIMUM	6 hours	Date	6-20 6-8 6-5 6-20 6-14	5-27 7-16 9-7 6-12 7-18	6-8 9-19 6-1 7-14 6-7	5-22	
		N	hours	Vol.	.16 .04 .61 .79	.90 .35 .71 .67	.85 .63 2.24 1.37	1.51	.68
	PER HOUR SELECTED		S ho	Date	6-20 6-8 6-5 8-7 6-14	5-27 6-5 9-5 6-12 7-18	5-5 7-17 7-10 7-10 7-14 6-7	5-22	11 1939
			hour 2	Vol.	31. 40. 42. 47. 18.	88 860 87 87 87 88	.79 .59 2.21 113 .80	1.09	in Apr ccellent
	ES IN I		1 ho	Date	6-20 6-8 6-5 8-7 6-14	5-27 6-5 9-5 6-12 7-18	7-13 7-17 7-10 7-14 6-7	5-22	ablished
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	#UM	RGE	Rate	1.11 .12 2.99 2.88 2.28	3.18 3.26 2.93 1.76 4.00	4.00 3.51 5.51 2.82 1.99	η. 77	ion esta of recor
	ANNUAL MAXIMUM I VOLUMES OF F	MAXIMUM	DISCHARGE	Date	8-11 6-8 6-8 8-7 6-10	5-27 6-5 9-5 6-12	10-10 7-17 7-10 7-14 6-7	5-22	p - Station established in April 1939. Quality of records: excellent.
8-57	AINIUAL		YEAR		p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes:

	Watershed		ys	Vol.	.12 .28 .90 .94	el.10 .69 1.75 .97	2.47 2.47 3.23 1.92 1.92	2.09
	Wate		2 days	Date	6-20 6-8 6-8 9-2 6-10	8-25 6-5 9-5 6-11 7-18	6-8 9-19 6-1 7-13	5-22
	RASKA	ERVAL	day	Vol.	.12 .28 .85 .94 e .90	61.10 .69 1.17 .97	1.21 2.47 3.23 1.92 e 1.10	2.09
	HASTINGS, NEBRASKA	TIME INTERVAL	ρT	Date	6-20 6-8 6-8 9-2 6-10	8-25 6-5 9-5 6-11 7-18	6-8 9-19 6-1 7-13 6-7	5-22
	HASTIN	ECTED I	urs	Vol.	.12 .28 .64 .76 e .66	.99 1.06 1.06 .59	1.21 2.47 3.23 1.92 el.10	2.09
,		MAXIMUM VOLUME FOR SELECTED	12 hours	Date	6-12 6-8 6-8 9-2 6-10	5-11 6-5 9-5 6-11 7-18	6-8 9-19 6-1 7-13 6-7	5-22
	XIMUM	VOLUME	urs	Vol.	. 12 . 28 . 55 . 55	. 99 . 1 . 90 . 1 . 59	1.20 2.21 2.94 1.92 e 1.10	1.93
	AND ANNUAL MAXIMUM TIME INTERVALS	IAX IMUM	6 hours	Date	6-20 6-8 6-8 6-20 6-10	5-11 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-13 6-7	5-22
	AND AN	~	urs	Vol.	.08 .28 .38 .71	52.7.5	.87 1.02 2.03 1.77	1.91
	PER HOUR SELECTED		2 hours	Date	6-15 6-8 6-8 6-8 8-7 6-10	5-11 6-5 8-7 6-17 7-18	5-5 9-19 6-1 7-14 6-7	5-22
	IN INCHES FOR S		ur	Vol.	.08 .28 .37 .71	7.0° 7.0° 7.0° 7.0° 7.0° 7.0° 7.0° 7.0°	1.83 1.83 1.43	1,27.
	ES IN I		1 hour	Date	6-15 6-8 6-8 8-7 6-10	5-11 6-5 8-7 6-17 7-18	5-5 7-17 7-10 7-14 6-7	7 - 22
	SISCHARC RUNOFF 1	AUM	ARGE	Rate	.28 1.15 1.41 2.89 e 2.78	3.50 4.94 1.85 3.44	3.03 1.12 1.14 3.33 6 2.22	4.42
	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-15 6-8 6-8 8-7 6-10	6-17 6-5 8-7 6-17 7-18	5-5 7-17 7-10 7-14 6-7	5-22
8-57	ANNUAL		YEAR		p 1939 1940 1941 1942 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954
						14	4.20	

.21 .28 1.16 .96

6-15 6-8 6-2 9-2 6-10

Vol. 8 days

Date

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el.87 1.90 1.75

8-23 6-5 6-11 7-18

2.43 2.48 3.88 2.06 1.10

6-5 9-15 7-6 6-7

2.61

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p - Station established in April 1939. e - Estimated or partially estimated. Quality of records: excellent except for those that are partially estimated which are fair. Notes:

DISCRINGES IN INCHES PER HOUR AND AURUAL MAXIMON MATHEMASKA MATERIALAR MATERIALAR MATHEMASKA MATERIALAR MATHEMASKA MATERIALAR MATERIALAR MATHEMASKA MATERIALAR MATERIALAR MATHEMASKA MATERIALAR MATERIALAR MATHEMASKA MATERIALAR MATERIALAR MATHEMASKA MATERIAL MAKENDAN MAXIMON VOLUME FOR SELECTED TIME INVERVAL LANGUE FOR SELECTED TIME					Vol.	. 64 01 1.54 2.65	1.80 1.69 1.27 1.80	1.94 2.92 3.99 1.68	2,65	
IN INCHES FOR SELECTED TIME INTERVALE IN INCHES FOR SELECTED TIME INTERVALE Hour				days						
IN INCHES PER HOUR AND ANNUAL MAXIMUM HASTINGS, NESBASKA INCHES FOR SELECTED TIME INTERNALS 1 hour 2 hours 6 hours 12 hours 1 day 1 to vol. Date		H-7		8	Date	6-12 6-8 6-2 8-5 6-7	8-5-7-7-12 7-13-13-13-13-13-13-13-13-13-13-13-13-13-	6-5 1-6 1-6 6-5	7,	
IN INCHES PER HOUR AND ANNUAL MAXIMUM HASTINGS, NESBASKA INCHES FOR SELECTED TIME INTERNALS 1 hour 2 hours 6 hours 12 hours 1 day 1 to vol. Date		shed 1		sy.	Vol.	.32 .01 .93 .95	1.21	1.50 2.92 3.49 1.48	1.75	
IN INCHES FOR SELECTED TIDE INTERVALS 1 hour		Water		2 da	Date	6-20 6-8 6-8 8-5 6-10	5-27 6-5 9-5 6-11 7-18	6-7 9-19 6-1 7-12	5-22	
IN INCHES FER HOUR AND A LINGHES FOR SELECTED TIME 1 hour 2 hours 1 the vol. Date vol. 1		SKA	ERVAL	ay	Vol.	.30 .01 .86 .80 1.43	1.21 .49 .99 .79	1.31 2.92 3.49 1.43	1.75	
IN INCHES FER HOUR AND A LINGHES FOR SELECTED TIME 1 hour 2 hours 1 the vol. Date vol. 1		, NEBRA	TIME INT	1 d	Date	6-20 6-8 6-8 8-7 6-10	5-27 6-5 8-7 6-11 7-18	10-9 9-19 6-1 7-13	5-22	
IN INCHES FER HOUR AND A LINGHES FOR SELECTED TIME 1 hour 2 hours 1 the vol. Date vol. 1		ASTINGS	ECTED I	urs	Vol.	.30 .01 .68 .80	1.20 .49 .99 .78	1.31 2.92 3.49 1.43	1.75	d I
IN INCHES FER HOUR AND A LINGHES FOR SELECTED TIME 1 hour 2 hours 1 the vol. Date vol. 1		H	FOR SEI	12 hc	Date	6-20 6-8 6-8 8-7 6-10	5-27 6-5 8-7 6-11 7-18	10-9 9-19 6-1 7-13	5-22	
IN INCHES FER HOUR AND A LINGHES FOR SELECTED TIME 1 hour 2 hours 1 the vol. Date vol. 1		XIMUM	VOLUME	ours	Vol.	08. 10. 08. 79.	1.20 1.49 99 .76 .80	1.25 3.25 3.25 1.43 1.43	1.63	
IN INCHES FER HOUR AND A LINGHES FOR SELECTED TIME 1 hour 2 hours 1 the vol. Date vol. 1	3	INUAL M	MUMIXE	6 hc	Date	6-20 6-8 6-5 8-7 6-10	5-27 6-5 8-7 6-12 7-18	6-8 9-19 6-1 7-13	5-22	
IN INCHES PER SELE INCHES PER			W.	ours	Vol.	.26 .01 .80 .80	1.20 .449 .99 .48	.95 1.13 1.73 1.19	1.60	
IN INCHES FOR 1 hour ate vol				2 hc	Date	6-15 6-8 6-5 8-7 6-10	5-27 6-5 8-7 6-17 7-18	10-9 9-19 7-10 7-14 6-7	5-22	ril 1939
AXIMUM SCHARGES IN 1 OF RUNOFF IN INCHIBATE INCH				ur	Vol.	.26 .01 .45 .80	1.17 .49 .99 .80	.90 .80 1.67 .89	1.01	in App ccellent
WM DISCHARG OF RUNGET. AXIMUM SCHARGE E Rate Ration estt Ration est Ration est Ration est Ration est Rate Ration est Rati		TES IN I		1 hc	Date	6-15 6-8 6-5 8-7 6-10	5-27 6-5 8-7 6-17 7-18	10-9 9-19 7-10 7-5	7	ablished rds: es
SCHUM SC		DISCHARC	MUM	ARGE	Rate	1.67 .11 3.03 3.23 4.41	4.68 3.00 5.63 1.29 4.81	2.31 2.11 4.46 2.70 1.51	11.4	ion esta
MAXIM		AL MAXIMUM I	MAXID	DISCH	Date	8-11 6-8 6-8 6-8 8-7 6-14	5-27 6-5 8-7 6-17 7-18	10-9 9-19 7-10 7-14 6-7	7. 2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	p - Stat. Quality
Notes:	8-57	AINTUAL		YEAR		p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	1

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	Watershed 18-H	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	8 days	Vol.	.32 .14 1.12 .91	.98 .72 .63 1.30	1.02	1.27	p - Station established in July 1939; discontinued in July 1955. Quality of records: excellent.
				Date	8-11 5-17 6-2 6-20 6-10	8-23 6-5 9-5 6-12 7-18	6-5 9-15 6-1 7-14 6-7	5-15	
			2 days	Vol.	84.00	66 66 68 68 68 68	1.34 2.60 1.40 1.40	.02	
				Date	8-11 5-17 6-5 6-20 6-14	5-11 6-5 9-5 6-12 7-18	6-7 9-19 6-1 7-14 6-7	6-27	
	ASKA		l day	Vol.	84.60.72	8 7 7 8 0 7 4 8 9 7	2.60 1.40 1.40 1.40	.02	
	HASTINGS, NEBRASKA			Date	8-11 5-17 6-5 6-20 6-14	5-11 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-7-14 6-7	6-27	
			12 hours	Vol.	32 44 46 47 65	8 1 1 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.87 1.34 2.60 1.40	1.27 .02	
	-			Date	8-11 5-17 6-5 6-20 6-20	5-11 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-14 6-7	5-22	
	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS		6 hours	Vol.	£. 44. 48. 17. 17.	\$ 7.8 8.0 8.0 8.0 9.0 9.0	2.58 1.40 1.40 5.58	.02	
				Date	8-11 5-17 6-5 6-20 6-14	5-11 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-5 6-7	5-22	
			2 hours	Vol.	£. 44. 84. 46.	8 27,0 20,0 20,0 20,0 20,0	.81 .87 1.91 1.35	1.21	
				Date	8-11 5-17 6-5 6-20 6-20	5-12 6-5 9-5 6-12 7-18	5-5 9-19 6-1 7-7	5-22	
			1 hour	Vol.	8. 8. 44. 44.	.61 .62 .52 .05	.67 .55 1.10 1.07	.02	
				Date	8-11 5-17 6-5 6-20 6-14	5-12 6-5 9-5 6-12 7-18	6-8 9-19 6-1 7-7 6-7	5-22	
		MUM	ARGE	Rate	.81 .22 1.11 .90	1.11 1.16 1.16 1.16 1.10 1.10	1.21 .68 1.49 1.88	1.94	
		MOMIXEM	DISCHARGE	Date	8-11 5-17 6-5 6-20 6-14	5-12 6-5 8-7 6-17 7-18	10-9 9-19 6-1 7-14 6-7	5-22 6-27	
	ANNUAL	YEAR			p 1939 1940 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 p 1955	Notes:
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			ys	Vol.	2.01 1.95 1.21 1.21	1.69 1.24 .49 2.23 2.36	1.97 1.52 1.52	
	H.		8 days	Date	6-2 9-2 6-7 5-20 7-16	9-5 6-12 7-18 6-5 9-19	6-1 7-6 5-7 5-15	
	Watershed 19-H		days	Vol.	1.36 1.93 1.01 1.01	1.65 .82 .1.9 1.91 2.36	2.99 1.72 1.33	
	Water		2 da	Date	6-8 9-2 6-10 5-27 7-16	9-5 6-12 7-18 6-7 9-19	6-1 7-12 6-7 5-22	
	SKA	ERVAL	ay	Vol.	1.21	1.19 .82 .49 1.43	2.99 1.70 1.33	
	HASTINGS, NEBRASKA	TIME INTERVAL	l day	Date	6-8 9-2 6-10 5-27 7-16	9-5 6-12 7-18 6-8 9-19	6-1 7-13 6-7 5-22	
	ASTINGS		urs	Vol.	1.66 1.66 1.01 1.01	1.07 .82 .49 1.41 2.36	1.70	
	H	FOR SEL	12 hours	Date	6-8 9-2 6-10 5-27 7-16	9-5 6-12 7-18 6-8 9-19	6-1 7-13 6-7 5-22	
	XIMUM	VOLUME	urs	Vol.	1.02	1.07	2.25 1.76 .76 1.21	
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED	6 hours	Date	6-8 9-2 6-10 5-27 7-16	9-5 6-12 7-18 6-8 9-19	6-1 7-13 6-7 5-22	
	TIME I	M	hours	Vol.	.55 .38 1.01 1.01		1.76	
	PER HOUR SELECTED		2 ho	Date	6-5 6-10 5-27 6-5	9-5 6-12 7-18 6-8 9-19	7-13 7-13 5-22	1, 1941
	NCHES P		ur	Vol.	844 44 44 44 44 44 44 44 44 44 44 44 44	37. 148 27. 19.	1.15 1.15 76 .76	March 3
	ES IN I		l hour	Date	6-5 8-7 6-10 5-27 6-5	9-5 6-17 7-18 10-9 9-19	7-10 7-11 6-7 5-22	lished
	TSCHARG	NOM	RGE	Rate	1.91 2.12 1.04 1.31 1.88	2.83 .90 2.17 3.73 2.09	1.29 2.29 2.29 2.09	n estab
	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAX VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	10-2 8-7 6-10 5-27 6-5	8-7 6-17 7-18 10-10 9-19	7-10 6-26 7-27 5-22	p - Station established March 31, 1941.
75-8	AINTUAL		YEAR		p 1941 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1953 1953 1954	Notes: p
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otes: p - Station established March 31, 19, Quality of records: excellent.

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			days	Vol.	1.75 e2.41 e1.72 e1.21	1.83	3.06 1.051 1.07	
	Н-С		8 de	Date	6-2 9-2 6-7 5-20 7-16	9-5 6-11 6-21 6-5 9-19	7-10 7-13 5-22 5-22	
	Watershed 20-H		days	Vol.	.64 1.11 e .99	1.70	1.553 1.073 1.077	
	Wate		2 da	Date	6-5 9-2 6-10 5-27 7-16	9-5 6-11 6-26 6-7 9-19	7-10 7-13 5-22 5-28	fair.
	1SKA	ERVAL	ay	Vol.	.64 e1.97 .94 e .99	.97 .89 .36 1.93	2.46 1.53 1.07 1.07	ich are
	HASTINGS, NEBRASKA	IME INT	1 day	Date	6-5 9-2 6-10 5-27 7-16	9-5 6-11 6-26 6-8 9-19	7-13 7-13 5-7 5-22	lated w
	HASTING	ECTED T	urs	Vol.	el.97 e.99 e.77	.77 .89 .36 1.26	1.55 1.05 1.07	y estim
	H	FOR SEL	12 hours	Date	6-5 9-2 6-10 5-27 7-16	9-5 6-11 6-26 6-8 9-19	7-13 6-7 5-22	, 1941. artiall
	XIMUM	VOLUME	urs	Vol.	61.21 .74 e .99	. 77 . 84 . 36 1 . 24 1 . 85	1.48	[arch 3]
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date	6-5 9-2 6-10 5-27 7-16	9-5 6-12 6-26 6-8 9-19	7-13 6-7 5-22	ished M
		M	hours	Vol.	. 56 . 76 . 76 99	25.568	1.41 1.41 47 1.07	- Station established March 31, 1941.
	PER HOUR SELECTED		2 ho	Date	6-5 9-2 6-10 5-27 7-16	6-12 6-26 5-5 9-19	7-10 6-7 5-22	Station except
	IN INCHES P		ur	Vol.	e 652 64 64 64 64 64	42.00.00.00.00.00.00.00.00.00.00.00.00.00	24.1 24. 24. 54.	l. p -
	ES IN I		1 hour	Date	6-5 8-7 6-10 5-27 7-16	9-5 6-17 6-26 5-5 9-19	7-10 6-7 5-22	timated
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	IUM	RGE	Rate	1.31 2.74 2.57 3.94 2.06	1.93	2.73 2.73 1.58 1.58	lally es of recor
	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN	MAXIMUM	DISCHARGE	Date	6-5 8-7 6-10 5-27 7-16	9-5 6-12 6-26 5-5 7-17	7-10 7-11 5-7 5-22	e - Partially estimated. p - Station established March 31, 1941. Quality of records: excellent except for those that are partially estimated which are fair.
8-57	ANNUAL		YEAR		1941 1942 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1953 1954 1954	Notes:

			days	Vol.	2.06 1.29 1.07 el.02 e .70	e 1.30 2.52 2.95 2.95	3.11 2.29 2.29 1.54 1.54	
	21-Н		8 de	Date	6-2 6-20 6-10 8-25 6-15	9-5 6-12 7-18 6-5 9-19	7-10 7-13 6-7 5-22	fair.
	Watershed 2		days	Vol.	1.36 .61 .69 e .66	1.26 .57 2.09 2.28	2.97 2.15 1.53 1.53	ch are
	Wate		2 de	Date	6-8 6-20 6-10 8-25 6-15	9-5 6-12 7-18 6-6 9-19	7-10 7-13 6-7 5-22	ted whi
	RASKA	PERVAL	day	Vol.	1.36 .57 .62 e .66	6 .52 1.47 2.28	2.15 2.15 1.53 1.53	l. restima
	HASTINGS, NEBRASKA	TIME INTERVAL	1 0	Date	6-8 6-20 6-10 8-25 6-15	9-5 6-12 7-18 6-8 9-19	7-10 7-13 6-7 5-22	- Station established in March 31, 1941. r those that are estimated or partially ϵ
	HASTING	SELECTED	ours	Vol.	- 77 - 53 - 58 - 58 - 58	e	1,64 2.15 1,53 1,53 1,53	March
		FOR SEI	12 hours	Date	6-21 6-20 6-10 8-25 6-15	9-5 6-12 7-18 6-8 9-19	7-10 7-13 6-7 5-22	shed in
	AX IMUM	MAXIMUM VOLUME FOR	6 hours	Vol.	77.	.78 .56 .52 1.44 2.11	2.15 2.15 1.14 1.44	establi
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM	6 hc	Date	6-21 6-20 6-10 8-25 6-5	9-5 6-12 7-18 6-8 9-19	7-10 7-13 6-7 5-22	tation
	A AND AL		hours	Vol.	9 9 9 74 6 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e 1 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1.58 2.01 6.30 1.42	p - S
	PER HOUR SELECTED		2 hc	Date	6-21 8-7 6-10 5-27 6-5	9-5 6-17 7-18 5-5 9-19	7-10 7-11 6-7 5-22	imated.
	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAX VOLUMES OF RUNGEF IN INCHES FOR SELECTED TIME INTERVALS		ur.	Vol.	6 5 5 5 5 5 5 5 5 7 5 7 5 7 7 7 7 7 7 7	e .853 .82 .82 .82	1.55 1.61 1.02 1.02	ully est
			1 hour	Date	6-5 8-7 6-10 5-27 6-5	9-5 6-17 7-18 5-5 9-19	7-10 7-11 6-7 5-22	partis
		MUM	ARGE	Rate	2.57 2.04 2.17 3.17	1.40 1.24 e 2.49 h.00 2.44	2.64 2.58 2.158 2.158	nated or of recor
	MES OF	MAXIMUM	DISCHARGE	Date	6-8 8-7 6-10 5-27	9-5 6-17 7-18 5-5 7-17	6-1 7-11 6-7 5-22	e - Estimated or partially estimated. p - Station established in March 31, 1941. Quality of records: excellent except for those that are estimated or partially estimated which are fair.
8-57	ANNUAL N VOLU	-	YEAR	1	1941 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1954	Totes:

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			days	Vol.	1.64 1.09 1.02 1.03		2.23 1.85 1.85	
	H-2		8 de	Date	6-2 6-20 6-10 8-23 6-5	9-5 6-12 7-18 6-5 9-15	6-1 7-12 6-7 5-22	
	Watershed 22-H		days	Vol.	17. 88. 57. 42.	.84 .79 .187 1.87 2.13	3.22 2.16 95 1.62	
	Water		2 da	Date	6-5 6-5 6-10 8-25 6-5	9-5 6-11 7-18 6-7 9-19	6-1 7-12 6-7 5-22	
	USKA	INTERVAL	ay	Vol.	17. 88. 42. 42.	.46 .79 .48 1.39 2.13	1.02	
	HASTINGS, NEBRASKA	IME INT	l day	Date	6-5 6-5 6-10 8-25 6-5	9-5 6-11 7-18 6-8 9-19	6-1 7-13 6-7 5-22	
	HASTING	ECTED T	urs	Vol.	44 88 88 87 47 47	.45 .79 .139 .139	2.25 2.16 2.95 1.68	1,191,1
		FOR SEL	12 hours	Date	6-5 6-10 8-25 6-5	9-5 6-11 7-18 6-8 9-19	6-1 7-13 6-7 5-22	March 3
	XIMUM S	VOLUME :	urs	Vol.	46. 88. 147. 27. 27.	.45 .78 .18 1.38	2.36 2.16 . 95 1.55	lished
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME FOR SELECTED TIME	6 hours	Date	6-5 6-5 6-10 8-25 6-5	9-5 6-12 7-18 6-8 9-19	6-1 7-13 5-22	n estab
		M	urs	Vol.	.60 .88 .74 .74 .75	1.06 1.06	1.53	p - Station established March 31, 1941.
	PER HOUR SELECTED		2 hours	Date	6-5 6-5 6-10 8-25 6-5	9-5 6-12 7-18 5-5 9-19	7-10 7-11 6-7 5-22	
	IN INCHES P NCHES FOR S		ur	Vol.	. 149 146 143 143	24. 14. 17. 17. 17.	1.43 .81 .1.7	excellent.
	ES IN I N INCHE		l hour	Date	6-5 6-10 8-25 6-5	9-5 6-17 7-18 5-5 9-19	7-10 6-7 5-22	
	DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	IUM	RGE	Rate	1.43 2.56 1.28 1.13	1.18 1.50 2.18 3.18 1.78	2.8 3.18 3.33 3.31	of recor
	AUNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN	MAXIMUM	DISCHARGE	Date	6-5 6-5 6-5 6-5 6-5	8-7 6-17 7-18 5-5 9-19	7-10 7-11 6-7 5-22	Quality of records:
8-57	ANNUAL N VOLU		YEAR		1941 1942 1943 1944 1944	1946 1947 1948 1949 1950	1951 1952 1953 1954	otes: 0

				71.	2.08 2.43 1.92 1.19	.67 .63 .63 2.93 el.90	11.50 2.35 1.90 1.90	
			days	Vol.				-
	Ħ		8	Date	6-2 9-2 6-7 4-18 7-8	9-5 6-11 7-18 6-5 9-19	0 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
	Watershed 23-H		days	Vol.	41.1 65.1 52.1 46.	.67 .96 .63 2.02 el.90	2.75 2.05 1.97 1.97	
	Waters		2 de	Date	6-8 6-5 6-10 5-27 7-16	9-5 6-11 7-18 6-7 9-19	6-1 7-12 6-7 5-22	fair.
	SKA	INTERVAL	day	Vol.	27.1 27.1 299 .888	.61 .96 .63 1.45 e1.90	2.05 2.05 1.55 1.55	ich are
	, NEBRA	TIME INI	l d	Date	6-5 6-5 6-10 5-27 7-16	9-6 6-11 7-18 6-8 9-19	6-1 7-13 5-2 5-22	941.
	HASTINGS, NEBRASKA		urs	Vol.	.68 1.76 .88 .51	.53 .96 .63 .145 e1.89	2.0.7 2.0.5 1.557 1.557	ch 31,]
	H	FOR SELECTED	12 hours	Date	6-5 6-5 6-10 5-27 7-16	9-7 6-11 7-18 6-8 9-19	6-1 7-13 5-22 5-22	Station established March 31, 1941. those that are partially estimated which are fair
	XIMIM	VOLUME	urs	Vol.	.68 .77 .88 .55	.51 .63 .145	2.05 2.05 .97 1.11	stablis s are pa
	AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	6-5 6-5 6-10 5-27 7-16	9-7 6-12 7-18 6-8 9-19	6-1 7-13 6-7 5-22	ation e
	TIME I	Ž,	urs	Vol.	.66 1.76 .77 .87 .30	.38 .72 .63 1.14	2.22 1.14 2.97 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.1	p -
	PER HOUR SELECTED		2 hours	Date	6-5 6-10 5-27 6-5	9-7 6-12 7-18 6-8 9-19	6-1 4L-7 6-7 5-22	imated.
	NCHES E		hour	Vol.	.51 1.75 .76 .81 .29	.30 .61 .62 .91	1.47 1.38 1.25 1.25	lly est
	ES IN I		1 hc	Date	6-5 6-10 6-10 6-5	8-7 6-12 7-18 5-5 9-19	6-1 41-7 6-7 5-22	partia.
	SISCHARC RUNOFF 1	MUM	ARGE	Rate	1.68 6.47 2.76 2.36 .88	2.03 1.61 3.08 3.00	2 2 . 8 . 8 . 9 . 9 . 9 . 9 . 9 . 9 . 9 . 9	ated or f recor
	ANNUAL WAXIMUM DISCHARCES IN INCHES PER HOUR AND AUNUAL WAX VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	6-8 6-5 6-10 8-12 6-5	8-7 6-12 7-18 5-5 6-16	6-1 7-14 5-7 5-22	e - Estimated or partially estimated. Quality of records: excellent except
8-57	ANNUAL VO		YEAR		p 1941 1942 1943 1944 1944	1946 1947 1948 1949 1950	1951 1953 1954 1954	Notes:

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		days	Vol.	2.29	1.07 e1.16 .17 1.67 2.57	1.57 1.57	
H		8 de	Date	6-2 6-10 6-5 6-5	9-5 6-12 7-18 6-5 9-15	5-1 5-2 5-22	
Watershed 24-H		days	Vol.	1.24 1.10 1.64 .85	.96 .80 .17 1.40 2.56	3.62 1.97 1.24 1.24	
Waters		2 de	Date	6-8 9-2 6-10 5-27 6-5	9-5 6-12 7-18 10-9 9-19	6-1 7-13 6-7 5-22	fair.
SKA	ERVAL	ay	Vol.	1.13 1.10 1.56 1.80	e .80 1.17 1.40 2.56	3.62 1.97 .40 1.24	ch are
NEBRAS	IME INI	l day	Date	6-8 9-2 6-14 5-27 6-5	8-7 6-12 7-18 10-9 9-19	6-1 7-13 5-7 5-22	1941. ted whi
HASTINGS, NEBRASKA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	7.6528 8.64	e .80 .17 1.40 2.56	3.62 1.97 .40 1.24	p - Station established March 31, 1941 or those that are partially estimated
TH H	FOR SEL	12 hours	Date	6-8 9-2 6-14 5-27 6-5	8-7 6-12 7-18 10-9 9-19	6-1 7-13 6-7 5-22	shed Mar rtially
XIMUM	VOLUME	urs	Vol.	.77 .77 .86 .80	e .55 17 1.18 2.52	3.24 1.98 1.040 1.23	stablis are pa
AND ANNUAL MAX. TIME INTERVALS	AXIMUMIXA	6 hours	Date	6-5 6-14 5-27 6-5	8-7 6-12 7-18 6-8 9-19	6-1 6-7 5-22	cation e
AND AN	M	urs	Vol.	.72 .77 .86 .80	e .48 .17 1.03	1.52 1.52 1.22 1.22	p - St for the
ER HOUR		2 hours	Date	6-5 6-14 5-27 6-5	8-7 6-12 7-18 6-8 9-19	6-1 7-11 6-7 5-22	mated.
NCHES F		ur	Vol.	.57 .76 .76 .78 .31	e .43	1.13 .37 .94	lly esti sellent
ES IN I		1 hour	Date	6-5 6-14 5-27 6-5	8-7 6-12 7-18 10-9 9-19	6-1 1-11 5-22 5-22	partial
ISCHARG	IUM	RGE	Rate	2.14 2.28 1.83 2.12	2.36 1.46 2.28 3.30	3.1.6 3.1.0 3.10 3.10	ated or f record
5-57 ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INVERVALS	MAXIMUM	DISCHARGE	Date	6-8 6-5 14-6 5-27 6-5	8-7 6-11 7-18 10-9 9-19	6-1 6-26 7-22 7-22	e - Estimated or partially estimated. p - Station established March 31, 1941. Quality of records: excellent except for those that are partially estimated which are fair.
8-57 ANNUAL VOL		YEAR		p 1941 1942 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954	Notes:

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			days	Vol.	0.57 .26 .11 .148	.73 .16 .08	00.00.00.00.00.00.00.00.00.00.00.00.00.	다· 80·	of
			8 da	Date	10-7 6-29 9-28 9-11 8-23	2000 2000 2000 2000 2000	9-13 7-7 8-3 7-6 7-27	8-22	Quality of
			ys	Vol.	0 25. 11. 12. 12.	27.37.37.39.08	30.00	.03	Į.
	led W-I		2 days	Date	10-7 6-29 9-28 9-11 8-23	8889-7-8-8-8-9-8-8-8-8-8-8-8-8-8-8-8-8-8	9-13 7-7 8-3 7-6 7-27	8-22	rough l
	Waters	ERVAL	day	Vol.	0.55 11.55 12.56	300000000000000000000000000000000000000	80000	• 32	ı Jan t
	ARIZONA Watershed W-I	IME INTE	1 de	Date	10-7 6-29 9-28 9-11 8-23	8-30 8-30 8-6	9-13 7-7 8-3 7-27	8-22	peration
	SAFFORD,	SCTED T	ırs	Vol.	0.37 11. 12. 12.	73	2000	.30	ot in og
	, S	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	10-7 6-29 9-28 9-11 8-23	9-5 8-11 8-30 8-20 8-6	9-13 7-7 8-3 7-6 7-27	8-22	Station not in operation Jan through May.
	S	/OLUME 1	ırs	Vol.	0 25 11 52 12 12 12 12	.30 .30 .08	300000	.30	* St
	AND ANNUAL MAXIMUM TIME INTERVALS	WINDMIXT	6 hours	Date	10-7 6-29 9-28 9-11 8-23	8-30 8-30 8-30 8-6	9-13 7-7 8-3 7-6 7-27	8-22	nd Dec.
	AND AND TIME II	M	urs	Vol.	0,22 22,00,00,00,00,00,00,00,00,00,00,00,00,0	17. 22. 11. 80. 10.	90°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°	.03	h May aı
	PER HOUR SELECTED		2 hours	Date	10-7 6-29 9-28 9-11 8-23	9-5 8-11 8-30 8-20 8-6	9-13 7-7 8-3 7-6 7-27	8-22 7-22	throug
	IN INCHES P.		ur	Vol.	10. 40. 40. 40. 412. 414.	75. 70. 70. 70. 70.	007 007 004 004	. 02	on Jan.
	ES IN I N INCHE		l hour	Date	10-7 6-29 9-28 9-11 8-23	9-5 8-11 8-30 8-20 8-6	9-13 7-7 8-3 7-6 7-27	8-22	operati
	DISCHARGES IN INCHES RUNOFF IN INCHES FOR	fUM.	RGE	Rate	0.24 .24 .09 .33	& W & & & &	003 003 007	.37	not in ent.
	ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date	10-7 6-29 4-26 9-11 8+23	9-5 8-11 8-30 8-20 8-6	9-13 7-7 8-3 7-6 7-27	8-22 7-22	Notes: * Station not in operation Jan. through May and Dec. records - excellent.
7-21	ANNUAL P		YEAR		1939* 1940** 1941 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes: * records
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4	NNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARK RUNOFF 1	TES IN I	NCHES E	ELECTEL	AND AN	AND ANNUAL MAX TIME INTERVALS	X IMUM S	SA	SAFFORD, ARIZONA Watershed W-II	ARIZONA	Waters	led W-I	ı		
		MAXIMUM	MUM				24	AXIMUM	VOLUME	FOR SEL	MAXIMIM VOLUME FOR SELECTED TIME INTERVAL	TME INI	ERVAL				
Ħ	YEAR	DISCHARGE	ARGE	1 hour	nr	2 hours	ours	6 hours	urs	12 hours	urs	1 day	ay	2 da	days	8 days	ıys.
		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
	1939 1940* 1941 1942 1943	8-2 7-26 9-28 8-7 8-9	e 1.38 1.01 1.45 .85 1.00	8-2 7-26 9-28 8-7 8-23	e 0.56 33 655 19	8-2 7-26 9-28 8-7 8-23	e 0.61 .34 .68 .20 .53	8-2 7-26 9-28 8-7 8-23	e 0.61 .34 .78 .20	8-2 7-26 9-28 8-7 8-23	e 0.61 .34 .81 .20	8-2 7-26 9-28 8-7 8-23	e 0.61 .34 .91 .20	8-2 7-26 9-28 8-7 8-23	6 0.61 34 .91 .53	8-2 7-26 9-28 8-7 8-23	8 0.61 .34 .91 .20 .76
	1944 1945 1946 1947 1948	10-13 8-10 8-26 10-12 7-25	.30 .90 .88 .88 .469	7-2 8-10 8-26 8-15 7-25	.03 .23 .34 .17	7-2 8-10 8-26 7-25	. 34 . 34	7-2 8-10 8-26 8-15 7-25	. 25 . 35 . 34 . 34	7-2 8-10 8-26 8-15 7-25	. 25 . 25 . 39 . 19	7-2 8-10 8-26 8-15 7-25		7-2 8-9 8-26 8-15 7-25	.32 .32 .33 .34	7-2 8-5 8-26 8-15 7-25	
15.2	1949 1950 1951 1952 1953	7-10 8-15 8-17 7-15	0.00 41. 553 41.	7-10 8-1 8-17 7-15	. 24, 0 . 07 . 18	7-10 8-1 8-17 7-15	25.07.00.00	7-10 8-1 8-17 7-15	25.00	7-10 8-1 8-17 7-15	25. 05. 05. 05.	7-10 8-1 8-17 7-15		7-10 8-1 8-17 7-15	.32	7-10 8-14 8-17 71-5	.32 0 41: 23 .06
пп	1954 1955	8-3	.65	9-24 8-3	.07	9-24 8-3	.09	9-24 8-3	.09	9-24 8-3	.09	9-2h 8-3	.09	8-3	.13	7-29	,14. 516
No	*: *	Notes: * Station not in operation Jan. through May.	not in c	peratic	n Jan.	through	n May.	Quality	of rec	ords -	Quality of records - excellent.	O	- estimated.	ated.			

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		days	Vol.	0.04	6.63.5.6	10.00 00.00 00.00	00° 70°	ı va	
		8 da	Date	9-6 9-5 8-14 9-13	9-23 7-31 7-29 6-18	7-19 6-22 8-2 8-15 7-17	8-21	records	
		ys	Vol.	0.04 .22 .16 .31	41.00	00.00.00.00.00.00	50.	Quality of records	
od W-IV		2 days	Date	9-6 9-5 8-16 9-19 8-18	9-23 7-31 8-3 6-18 6-1	8-7 6-22 8-2 8-15 7-17	8-21 7-28		
Watersh	ERVAL	ay	Vol.	0.00 22 16 16 19	.19 .04 .14 .13	000000	00.	ıgh Sept	
SAFFORD, ARIZONA Watershed W-IV	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	9-6 9-5 8-16 9-19 8-18	9-23 7-31 8-3 6-18 6-1	8-7 6-22 8-2 8-16 7-17	8-21 7-28	** Record includes only June through Sept.	
ORD, AR	ECTED T	urs	Vol.	0.04 222 116 116	91. 10. 11. 12. 10.	29888	.08 .05	only Ju	
SAFF	FÓR SEL	12 hours	Date	9-6 9-5 8-16 9-19 8-18	9-24 7-31 8-3 6-18 6-1	8-7 6-22 8-2 8-16 7-17	9-12	cludes	
XIMUM	VOLUME	urs	Vol.	0.04	1.0.4. 1.1.1.0.	29888	80°.	cord in	
AND ANNUAL MAX TIME INTERVALS	AXIMUM	6 hours	Date	9-6 9-5 8-16 9-19 8-18	9-24 7-31 8-3 6-18 6-1	8-7 6-22 8-2 8-16 7-17	9-12	** Re	
R AND AND DE TEME	M	urs	Vol.	0.04	.04 .04 .12	2,2,8,8	\$0. \$0.	h June.	
ER HOUR		2 hours	Date	9-6 9-5 8-16 9-19 8-18	9-24 7-31 8-3 6-18 6-1	8-7 6-22 8-2 8-16 7-17	9-12 7-28	through	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		our	our	Vol.	0.04	71. 20. 10.	99899	70°	on Jan.
		1 hour	Date	9-6 9-5 8-16 9-19 8-18	9-24 7-31 8-3 6-18 6-1	8-7 6-22 8-2 8-16 7-17	9-12 7-28	operati	
	MOW	ARGE	Rate	0.11	42. 72. 72. 72. 72. 73. 73. 74. 75. 76.	10° 68° 5° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4°	.00	not in	
AL MAXIMUM I	MAXIMUM	DISCHARGE	Date	9-6 9-5 8-16 9-19	9-24 7-31 8-3 6-16 6-1	7-22 6-22 8-2 8-16 7-17	7-28	Station	
ANNUAL P		YEAR		1939* 1940** 1941* 1942 1943	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954	Notes: * Station not in operation Jan. through June. excellent.	
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			8 days	Date	8-6 8-13 9-28 7-30 8-18	8-16 9-8 8-15 8-25 7-24	8-8 7-21 10-30 8-11 7-30	7-22	record
			/B	Vol.	0 00 00 00 00 17	11. 10. 10. 00.	20 40 80 80 80 9.1	.05	Quality of records
	ed W-V		2 days	Date	8-6 8-13 9-28 7-30 8-23	8-16 9-8 8-3 8-30 7-24	8-8 7-21 10-30 8-11 7-30	7-22	
The second second	IZONA Watershed W-V	ERVAL	ay	Vol.	0.08 02 09 04 15	.13 .04 .02	25 26 26 26	38	ıgh June
		TIME INTERVAL	1 day	Date	8-6 8-13 9-28 8-1 8-2	8-16 9-3 8-3 8-30 7-24	8-8 7-21 10-30 8-11 7-30	7-22	1. throu
	SAFFORD, ARIZONA	SELECTED T	urs	Vol.	0.08 0.09 0.04	.13 .11 .04 .02	20°04 20°08 10°08	30.38	** Station not in operation Jan. through June.
	SAFF	FOR SELL	12 hours	Date	8-6 8-13 9-28 8-1	8-16 9-8 8-3 8-30 7-24	8-8 7-21 10-30 8-11 7-31	7-7-	n operat
	KIMUM	MAXIMUM VOLUME FOR	ırs	Vol.	0.08 00.09 00.04	11.00.00.00.00.00	20°0°4°4°4°4°4°4°4°4°4°4°4°4°4°4°4°4°4°4	Ç. €.	n not ir
The Real Property lies	AND ANNUAL MAX TIME INTERVALS	WUMIT XI	6 hours	Date	8-6 8-13 9-28 8-1	8-16 9-8 8-3 7-24	8-8 7-21. 10-30 8-11. 7-31	7-22	Station
The Person Name of Street, or other Persons	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	W	urs	Vol.	0.08 .00 .00 .00 .15	.13 .02 .02	00° 00° 00° 00° 18°	0. 8%	
			2 hours	Date	8-6 8-13 9-28 8-1	8-16 9-8 8-3 8-3 7-24	8-8 7-21 10-30 8-11 7-31	7-22	ongh Se
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			l hour	Date	8-6 8-13 9-28 8-1	8-16 9-8 8-3 8-3 7-24	8-8 7-21 10-30 8-11 7-31	7-22	only J
		#UM	RGE	Rate	0.16 .05 .12 .12 .32	£ 20,000 50 50 50 50 50 50 50 50 50 50 50 50	00.00.00.00.00.00.00.00.00.00.00.00.00.	.92	ncludes
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	ANNUAL M VOLU		YEAR		1939 1940% 1941** 1942	1944 1945 1946 1947 1948	1949 1950 1951 1952 1953	1954 1955	Notes: * Record includes only June through Sept. excellent.
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		8 days	Date	8-31	8-19	6-6	8-20	7-2	7-17	7-10	7-10	7-27	e-partially		
led W-1		/S	Vol.	19.	.17	.22	.82	•56	.22	• 74	1.69	.79	. 1946.		
Watersh		2 days	Date	9-3	8-19	6-6	8-26	7-1	7-22	7-15	7-10	7-27	ind Dec.		
lorado	TRVAL	day	Vol.	ħ9°	.17	•25	.82	•36	.22	٠74	1,35	•7•	Mar. s iich are		
ngs, Co	OME INTE	l day	Date	9-3	8-19	6-6	8-26	7-2	7-22	7-15	7-10	7-27	Feb.		
Colorado Springs, Colorado Watershed W-1	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ırs	Vol.	.47	•17	.22	.82	•36	.22	٠٦٦	.93	.79	periods: Jan. thru Mar. 1938; Jan., Feb., Mar. and Dec. 1946. for those which are partially estimated which are poor.		
Colora	FOR SELL	12 hours	Date	9-3	8-19	6-6	8-26	7-2	7-22	7-15	8-25	7-27	far. 1950		
KIMUM	VOLUME 1	ırs	Vol.	.35	.17	•25	.82	.36	.22	.74	.93	.79	thru l		
NUAL MAS	WINTX	6 hours	Date	8-10	8-19	6-6	8-26	7-2	7-22	7-15	8-25	7-27			
AND AN	W	urs	Vol.	33	.17	*25	.82	•36	.22	٠٦٦.	.93	•79	 period: for the		
ER HOUR ELECTED		2 hours	Date	8-10	8-19	6-6	8-26	7-2	7-22	7-15	8-25	7-27	llowing except		
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS		ur	Vol.	.35	£1.	.22	•78	.36	.22	.70	.92	.63	for fo		
				l hour	Date	8-10	8-19	6-6	8-26	7-2	7-22	7-15	8-25	7-27	eration
	#DM	RGE	Rate	3.17	:51	1.24	2.19	3,31	1,61	3.55	4.15	1.94	n not in operation for following Quality of records - good except		
AL MAXIMUM I VOLUMES OF F	MAXIMUM	DISCHARGE	Date	8-10	8-19	9-30	8-22	7-2	7-22	7-15	8-5	8-24	ä I		
AMMUAL		YEAR		1938	1939	1940	19/1	1942	1943	1944	1945	9ή61	Notes: Statestimated.		
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INTURAL MAXIMUM COLORAGO Springs, Colorado Watershed W-2 MAXIMUM VOLUME FOR SELECTED TIDE INTERNAL 6 hours 12 hours 14 day Date Vol. Date Vol. Date Vol. Date Vol. Date Vol. 8-10 .06 8-1	
Colorado Springs, Colorado Watershed W-2 Colorado Springs, Colorado Watershed W-2 Colorado Tiday Colorado Matershed W-2 Colorado Tiday Colorado Matershed W-2 Colorado Tiday Colorado Matershed W-2 Colorado Tiday Colorado Tida	
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ANX ANXIOL MAXIMATION TING INTERVALS MAXIMUM VOLITIES 6 hours VOL. Dete Vo. VOL 9-30 VOL 9-30 VOL 9-30 VOL 7-2 VOL 7-8 VOL 7-15 VOL 7	1
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PER HOUR AND ANNUAL MAXIMUM SELECTED TIME INTERVALS MAXIMUM VOLUM E hours 6 ho	llowing
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	eration
NUNCET IN INCHES FOR AMM ARGE 1 hour 11 8-10 .05 02 8-19 .01 13 9-30 .03 12 6-10 .07 09 7-2 .02 09 7-2 .02 10 7-15 .14 11 12 7-10 .142 14 17 8-24 .16	ot in op
ANTOLIA MAXIMA DISCHARGES VOLUMES OF RUNOFF IN I 1938	tes: Station not in operation for following periods: Quality of records - good.
1938 1938 1940 1941 1944 1944 1945 1946	Notes: S Qualit

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ANNUAL	ANNUAL MALMUM DISCHAMASS IN INCHES FER HOUR AND ANNUAL WALLMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARGES IN INCHES FER HOUR AND ANNUAL WAY. RUNCET IN INCHES FOR SELECTED TIME INTERVALS	IN INCHE	S FOR S	EK HOUF	TIME I	NUAL MA	S	Color	ado Spr	ings, C	olorado	Colorado Springs, Colorado Watershed W-3	ned W-3		
	MAXIMUM	MUM				W	MAXIMUM VOLUME	VOLUME	FOR SEL	FOR SELECTED TIME INTERVAL	IME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	urs	6 hours	nrs	12 hours	urs	1 day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1938	9-12	95°	9-12	.36	9-12	τή.	9-12	771.	9-12	54.	9-12	54.	9-12	.45	8-6	64.
1939		H		E		E		E		EH		E		E		€
1940	7-21	1.06	7-21	.38	7-21	•39	7-21	.39	7-21	•39	7-21	• 39	7-21	•39	7-21	•39
1941	6-21	.85	6-21	.35	6-21	54.	8-26	911.	8-26	94.	8-26	94.	8-26	94.	8-21	.63
1942	7-2	%	7-2	03	7-2	•03	7-2	.03	7-2	•03	7-2	.03	7-2	.03	7-2	.03
1943		0		0		0		0		0		0		0		0
1944	7-15	†10°	7-15	.01	7-15	.01	7-15	.01	7-15	.01	7-15	.01	7-15	.01	7-15	10.
1945	7-10	1.32	7-10	.61	7-10	79.	7-10	.62	7-10	.62	7-10	.62	7-10	.62	7-10	.63
1946	8-24	†o•	8-24	• 02	8-24	• 02	8-24	• 02	8-21	.02	8-24	• 05	8-24	• 02	8-24	•05
Notes: S Quality	Notes: Station not in operation for following periods: Quality of records - good.	ot in op rds - go	operation good.	for fo	llowing	period		. thru	Mar. 19	Jan. thru Mar. 1938, Jan., Feb.,	., Feb.		Mar. and Dec. 19μ6.	. 1946.	-	trace.

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ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS Colorado Springs, Colorado Watershed W-L	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	nours 6 hours 12 days 8 days	Vol. Date Vol. Date Vol. Date Vol. Date Vol. Date Vol.	89. 01-8 83. 01-8 83. 01-8 83. 01-8 84. 01-8 83. 01-8	35 8-2 35 8-2 35 8-2 35 8-2 35 8-2 35	1 .06 7-21 .06 7-21 .06 7-21 .06 7-21 .06 7-21 .06	6 .03 8-26 .03 8-26 .03 8-26 .03 8-26 .03 8-26 .03 8-19 .04	11.	T	71. 6-30 11. 6-30 11. 6-30 11. 6-30 11. 6-30 11.	3 .38 8-13 .38 8-13 .38 8-13 .38 8-13 .38 8-8 .39	91. 21-7 91. 21-7 91. 21-7 91. 21-7 91. 21-7 91.	
UR AND ANNUAL MA	MAXIMUM.	2 hours 6 h	Vol.	.68	.35	90°	.03	60.	E .	.10	•38	.19	
IN INCHES PER HOI		1 hour 2	Date Vol. Date	8-10 .67 8-10	8-2 .34 8-2	7-21 .06 7-21	8-26 .02 8-26	7-9 70. 7-9	H	5-30 .08 5-30	8-13 .37 8-13	7-15 91. 7-15	
DISCHARGES RUNOFF IN I	MAXIMUM	MAXIMUM DISCHARGE	Rate	2.33	1.49	.18	50.	.13	10.	.14	-24	.83	
AUNUAL MAXIMUN VOLUMES OF	MAX	YEAR DISC	Date	1938 8-10	1939 8-2	1940 7-21	19t1 8-26	1942 6-7	1943 8-17	1944 5-30	11-7 2491	21-15	

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	MAY THE IM	THE STATE OF THE S					MAXIMIM VOLUME FOR SELECTED TIME INTERNAL	VOLUME	FOR SELL	ECTED T	TME TIME	EALCO ERVAI.	warer sin	N N		
	DISCHARGE	RGE	1 hour	ım	2 hours		6 hours	urs	12 hours	urs	1 day	ay	2 da	days	8 days	tys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
	9-14 8-20 9-20 6-30 8-4	.47 .50 .58 .79	9-14 8-20 9-20 6-30 6-28	0.25 .16 .12 .20	9-14 8-20 9-20 6-30 6-28	0.25 .16 .12 .20	9-14 8-20 9-28 6-30 6-28	0.25	9-14 8-20 9-28 6-30 6-28	0 20 31,0 50 50 50 50 50 50 50 50 50 50 50 50 50	9-14 8-20 9-28 6-30 6-28	0.25	9-14 8-20 9-28 6-30 6-28	0.25	9-14 8-20 9-28 6-30 6-28	0.25 29 20 20 14
~ ~ ~ ~	8-17 10-4 9-8 8-4	.33 0.72 1.58	8-17 10-4 9-8 8-4	.10 0.11 .11 .16	8-17 10-4 9-8 3-4	000000000000000000000000000000000000000	8-17 10-4 9-8 8-4	0 0 11 15 15 33	8-17 10-4 9-8 8-4	0.00	8-17 10-4 9-8 8-4	.10 0.11 .14 .33	8-17 10-4 9-8 8-4	0.00 11. 64.	8-17 10-4 9-8 8-4	.10
72887	7-23 8-15 8-27 7-23 7-30	26 14 25 14	7-23 8-15 8-21 6-2 7-30	71.88.69.49	7-23 8-15 8-21 6-2 7-30	2,20,00,00	7-23 8-15 8-21 6-2 7-30	72.00.00.00.00.00.00.00.00.00.00.00.00.00	7-23 8-15 8-21 6-2 7-30	2.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00	7-23 8-15 8-21 6-2 7-30	72.00.00.00.00.00.00.00.00.00.00.00.00.00	7-21 8-15 8-21 6-2 7-30	77.00	7-21 8-15 8-21 6-2 7-30	12°0°1°0°1°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0
~ ~	7-22	1.08	9-11	.19	9-11	.20	9-11	.24 .20	9-11 7-22	.20 .20	9-11	. 20	9-11	. 20 . 20	9-11 7-16	. 22.
Notes:* Recor	d in	includes on - estimated	Notes: * Record includes only Aug., excellent. e - estimated		Sept. and Oct.	1 8	** Static	on not i	Station not in operation Jan. through April.	ation Ja	an. thre	ough Apı	1 1	Quality of records	of reco	rds -

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II-M pa		days	Vol.	0.28	12ء	34,	54.	0,22	12.	.11	e .15	.39	.55	•32			Quality of records:
Watershed W-II		2 da	Date	9-11	8-20	9-3	10-16	10-)1	9-7-8	7-21	7-15 6-4	7-7	7-21	8-19			Qualit
XICO V	ERVAL	ay	Vol.	0.28	.12 %r	14.	27.	0	75.		e .15		1/4.	• 32			April.
NEW ME	IME INT	l day	Date	9-14	8-20	9-3	10-16	10-7	7-8	7-23	7-15	7-7 8-11	7-21	٥ ١-			 rough
ALBUQUERQUE, NEW MEXICO	SCIED I	urs	Vol.	0.28	12	1,7,7	. J.	0	52	01.	91. 8	91.9	1710	•32			Jan. th
ALB UC	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	12 hours	Date	9-14	8-20	6-30	\neg		77-8	7-23	7-15 6-4	?-7 8-12	7-21	8-19			** Station not in operation Jan. through April.
KIMUM	VOLUME	urs	Vol.	0.28	21°	3,7,7	24.	0 .22	1.57	.10	e .16	91.	777	.35		,	t in ope
NUAL MA	AXIMUM.	6 hours	Date	9-14	8-20	6-30	-		7-8	7-23	6-4	8-12	7-21	6T-8			tion no
AND AN TIME I	M	urs	Vol.			, T, F		0	.57	.10	e .16	38	ग्रंग-	.35			** Sta
ER HOUR ELECTED		2 hours	Date			6-30		10-4	3-4	7-23	6-4	8-12	7-21	67-0			d Oct.
NCHES P		ur.	Vol.	0.27	.12	77.	4	.22	.29	.10	e .16	38	E. 5	•35•			ept. an
ES IN I		1 hour	Date			6-30			3-7	7-23	7-I2 6-4	8-12	7-21	6T=0			Aug., Sed.
DISCHARG	MOW	RGE	Rate	0.47	30	14.8	1.2/4	.72	2.64	.29	 	1.97	1,10	70.			s only estimat
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	9-14	8-20	6-30	10-16	10-1	7-6	7-23	8-21	8-12	7-21	Λ Τ ΙΟ			otes: * Includes only Aug., Sept. and Oct. excellent. e - estimated.
ANNUAL 1		YEAR		1939*	1940**	1942 1943	1944	1946	194,7 1948	1949	1951	1953	1954	7777			Notes: 4

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	Matersh		2 days	Date	10-7 6-28 10-3 9-4 6-28	10-16 10-1 9-1 8-1	7-23 7-15 8-21 7-7 8-12	8-15	throug
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	NEW M	IME INT	1 day	Date	10-7 6-28 10-3 9-4 6-28	10-16 10-4 9-4 8-4	7-23 7-15 8-21 7-7 8-12	7-22 8-15	operati
	ALBUQUERQUE, NEW MEXICO Watershed W-III	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	0.01 T T	.09 .03 .62 .14	8,5,5,6	. 22	** Station not in operation Jan. through March.
	ALBU	FOR SEL	12 hours	Date	10-7 6-28 10-3 9-4 6-28	10-16 10-1 9-4 8-4	7-23 7-15 8-21 7-7 8-12	7-23 8-15	tation ted.
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ER HOUR			2 hours	Date	10-7 6-28 9-20 9-4 6-28	10-16 1-01 1-8 1-8	7-23 7-15 8-21 7-7 8-12	7-22 8-15	Jan. throug T - trace.
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ANNUAL	101		YEAR		1939** 1940** 1942 1942 1943	1944 1945 1946 1946 1947	1949 1950 1951 1952 1953	1954	Notes: * Quality



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shed W-		ys	Vol.	0,10	0	.19	•32	0				
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MEXICAN SPRINGS, NEW MEXICO Watershed W-1	ERVAL	вy	Vol.	0.10	0	•16	.32	0				
NGS, NEW	IME INT	l day	Date	89		9-25	10-3					
AN SPRII	ECTED T	urs	Vol.	0.10	0	91.	.32	0	- poor			
MEXIC	FOR SEL	12 hours	Date	8-9		9-25	10-3		Quality of records - poor			
X IMUM S	VOLUME :	urs	Vol.	01.0	0	.16	.32	0	ity of			
NUAL MA	AX IMUM	2 hours 6 ho	MAXI	MAXIMUM VOLI	MAXIMUM 6 ho	Date	8-9		9-22	10-3		
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ER HOUR		2 ho	Date			9-25	10-3		throu			
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ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-9		9-25	7-19		Notes: * Station not in operation Jan. through March.			
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) Water		2 days	Date Vo	9-30	8-12	8-24	9-5			
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INGS, N	IME INTE	1 day	Date	9-30	8-12	7-28	9-5			
MEXICAN SPRINGS, NEW MEXICO	MAXIMIM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	N	0.20	.10	70°	M	0	
MEX	FOR SEL	12 hours	Date		8-12	7-28	9-5			
XIMOM	VOLUME	6 hours	Vol.	NR	0.15	.10	ήo.	NR.	0	
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ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-27	8-12	6-28	9-5			Notes: Quality of records - poor.
ANNUAL		YEAR		1937	1938	1939	1940	1941	2461	Notes:

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NGS, NE	ME INTE	l day	Date	8-12		9-30	10-13		
MEXICAN SPRINGS, NEW MEXICO Watershed W-3	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	rs	Vol.	0.32	NH.	60.	£.	0	poor
MEXIC	OR SELE	12 hours	Date	8-12		9-30	10-13		Quality of records - poor
IMUM	OLUME F	rs	Vol.	贸	NR.	60.0	•33	0	y of re
TUAL MAX	V MUMIX	6 hours	Date			9-30	10-13		Qualit
AND AND TIME IN	M	ırs	Vol.	A	Ħ	0.08	.18	o	April.
ER HOUR		2 hours	Date			9-30	10-13		hrough
CHES PE FOR SE		អ	Vol.	æ	NR.	0.05	.11	0	Jan. t
S IN IN		l hour	Date			9-30	10-13		eration
ISCHARGE	JM	SGE	Rate	0.69	NR	.10	.63	0	ot in or
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCIF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	8-12		9-11	9-8		ation no
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1938*	1939	1940	ניו6נ	1942	Notes: *Station not in operation Jan. through April.

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AUNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARG RUNOFF I	ES IN I	NCHES P	ER HOUR	AND AN	NUAL MA	XIMUM	MEXIC	MEXICAN SPRINGS, NEW MEXICO Watershed W-6	INGS, NE	W MEXIC	30 Wate	ershed W	9-1	
	MAXIMUM	MUM				M	AX IMUM	MAXIMUM VOLUME FOR SELECTED FIME INTERVAL	FOR SEL	ECTED T	TME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	1 day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1937*	9-5	0.20		NR		NR		NR		NR	9-5	0.15	9-5	0.16	9-5	0.19
1938	8-12	.18		NR		NR	8-12	0.24	8-12	0.24	8-12	.24	8-12	.25	8-12	.31
1939		R		MR		R		NR		NR.		NR		Ä		NR
1940	9-5	Ŗ	9-11	0.03	9-11	0.05	9-11	%.	9-11	%	11-6	90°	9-11	90°	9-5	.10
19/1	8-6	.22	10-13	• 05	10-13	20°	10-13	77.	10-13	41.	10-13	.19	10-13	.22	9-8	.34
1942		0		0	`	0		0		0		0		0		0
Notes:	Notes: * Station not in operation Jan. through May.	n not in	operati	on Jan.	throug	h May.		Quality of records - poor.	cords -	poor.						

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	ys	Vol.	0.25	0.07	•05	NR	0	
	8 da	Date	8-12	7-28	9-58			
	ys	Vol.	0.25	90°0	.01	NR	0	
	2 යිකු	Date	8-12	7-28	9-30			
ERVAL	ay	Vol.	0.25	0.03	.01	NR	o	
IME INT	1 d	Date	8-12	7-28	9-30			
SCIED I	urs	Vol.	NR	0.03	то.	NA.	0	
TOR SEL	12 ho	Date		7-28	9-30	· ·		
VOLUME 1	urs	Vol.	NR	0.03	10.	NR	0	
WINDWI X	6 ho	Date		7-28	9-30			
W	urs	Vol.	NR	0.03	.01	NR.	0	
	2 ho	Date		7-28	9-30			
	ur	Vol.	NR.	0.03	E	NR	0	, s
	1 ho	Date		7-28				000d - s
UM	RGE	Rate	0.13	,04	.01	NR	0	record
MAXIN	DISCHA	Date	8-12	7-29	9-30			ality of
	YEAR		1938	1939	1940	19/1	2161	Notes: Quality of records - poor
		MAXIMUM VOLUME FOR SELECTED TIME INTERVAL 1 hour 2 hours 6 hours 12 hours 1 day	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 day Date Nol. Date Vol. Date V	MAXIMIN MAXIMIN VOLUME FOR SELECTED TIME INTERVAL DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 days Date Vol. Date <	MAXIMIN MAXIMIN VOLUME FOR SELECTED TIME INTERVAL 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 days 9 day	MAXIMIN DISCHARGE 1 hour 2 hours 6 hours 1 hour 2 hours 6 hours 1 hour 2 hours 2 hours 2 hours 3 hou	Discrimination Disc	Discrimination Disc

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		ys	Vol.	0.15	.20	90.	90*	•24	0	
8		8 days	Date	8-27	8-9	7-28	9-5	89		
rshed W		/B	Vol.	0.12	,16	, ol	.03	.18	0	
O Wate		2 days	Date	8-27	8-12	7-28	9-11	7-23		
W MEXIO	TRVAL	ry.	Vol.	0.12	.15	.03	• 03	.18	0	
NGS, NE	ME INTE	l day	Date	8-27	8-12	7-28	11-6	7-23		
MEXICAN SPRINGS, NEW MEXICO Watershed W-8	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	NP.	0.15	.03	.03	.18	0	
MEXIC	OR SELE	12 hours	Date		8-12	7-28	9-11	7-23		
KIMUM	OLUME F	ırs	Vol.	展	NR	0.03	.03	.17	С	
NUAL MAS	XIMUM I	6 hours	Date			7-28	9-11	7-23		
AND AND TIME II	M	ırs	Vol.	AN.	贸	0.02	.02	.15	0	
ER HOUR		2 hours	Date			7-28	9-11	7-23		
NCHES PI		ır.	Vol.	N.	W.	0.02	.01	.13	0	£
ES IN I		1 hour	Date			7-28	9-11	7-23		ood - s
ISCHARGI UNOFF I	MO	RGE	Rate	0.11	.10	50.	70.	.22	0	record
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGER IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-27	8-12	8-24	9-5	7-23		Notes: Quality of records - poor
ANNUAL I		YEAR		1937	1938	1939	1940	19/1	1942	Notes: Q
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Date Vol. Date Vol.	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS MAXIMUM MAXIMUM VOLUM
Nate Vol. Date Date Vol. Date Vol. Date Vol. Date Vol. Date	1 hour 2 ho
NR	Vol. D
9-10 0.07 9-10 0.07 9-10 .07 9-10 .07 9-7 8-26 .22 8-24 .30 8-22 9-29 .05 9-29 .05 9-28 .16 9-28 .16 9-21 NR NR NR NR NR O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	贸
0.22 8-26 .22 8-26 .23 8-22	NR
NR NR NR NR NR O O O O O O O O O O O O O	81 v
NR NR O O O O O O O O O O O O O O O O O	.03
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	ANNUAL	MAXIMUM CUMES OF	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	ES IN I	NCHES I	PER HOUF	AND AND TIME I	NUAL MA	X IMUM S	MEXI	CAN SPR	INGS, N	EW MEXI	MEXICAN SPRINGS, NEW MEXICO Watershed W-11	ershed [V-11	
		MAXI	MAXIMUM				Z	MYIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEL	ECTED I	TIME INT	ERVAL				
	YEAR	DISCHARGE	IARGE	1 hour	ur	2 ho	2 hours	6 hours	urs	12 hours	urs	l day	ay	2 days	ys	8 days	ys
		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
	1937	7-27	0.03		NR		NR		照		NR	9-30	0.07	9-30	0.07	9 -30	0.07
	1938	8-12	20.		NR		NR		NR		N.	8-12	.07	8-12	90°	8-12	.08
	1939	8-26	.07	8-26	0.05	8-26	90.0	8-26	20.0	8-26	0.08	8-26	.08	8-26	.10	8-24	.10
	1940	9-25	20.	9-25	†70°	9-25	90.	9-25	90.	9-25	90•	9-25	200	9-22	200	9-21	.10
/8.8																	
	Notes:	Quality c	Notes: Quality of records - poor.	s - poo	r.												

ANNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCER IN INCHES FOR SELECTED TIME INTERVALS	DISCHARG RUNOFF I	TES IN I	INCHES P.	ER HOUR	AND AN	NUAL MA	XIMUM	MEXIC	MEXICAN SPRINGS, NEW MEXICO Watershed W-12	NGS, NE	W MEXIC	O Wate	rshed W	-12	
	MAXIMIM	MOM				M	AXIMIM Y	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEL	ECTED T	IME INT	ERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	l day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1937	5-27	0.09		NR		MR		NR.		NR	5-27	60°0	5-27	60°0	5-27	0.09
1938	7-15	11.		MR		NR	6-28	0.08	6-28	0.08	6-28	90.	6-28	80.	6-21	.15
1939	8-6	,00	9-8	0.02	8-6	0.02	9-8	• 02	8-6	° 05	8-6	•05	8-6	•05	8-6	• 05
otes:	Quality of records - poor.	of recor	rds - pr	oor.												

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		ys	Vol.	0.33	.05		
1-13		8 days	Date	h-6	6-28		
ershed V		ув	Vol.	0.19	,0°		
30 Wate		2 days	Date	9-4	6-28		
EW MEXIC	ERVAL	ay	Vol.	0.19	50.		
MEXICAN SPRINGS, NEW MEXICO Watershed W-13	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	7-6	6-28		
CAN SPR	ECTED T	urs	Vol.	NR	NR.	-	
MEXI	FOR SEL	12 hours	Date				
XIMUM	VOLUME	urs	Vol.	田	NR		
NUAL MA	AXIMUM	6 hours	Date				
TIME I	A.	urs	Vol.	NR.	NR		
ER HOUR		2 hours	Date				
INCHES E		ur	Vol.	NR.	NR.		or
ES.IN I		l hour	Date				ds - po
DISCHARG RUNOFF I	MUM	4RGE	Rate	0.33	₹0.		of recor
MAL MAXIMUM DISCHARGES.IN INCHES PER HOUR AND ANNUAL MAXI VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	7-6	6-28		Quality of records - poor
ANNUAL MAXIMIM DISCHARGES.IN INCHES PER HOUR AND ANNUAL MAXIMIM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		1937	1938	-	Notes: (

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AINIUAL VOJ	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARG RUNOFF I	ES IN I	INCHES F	ER HOUR	AND AN	INUAL MA	XIMUM	MEX	ICAN SP	MEXICAN SPRINGS, NEW MEXICO Watershed W-ll;	VEW MEXI	ICO Wat	ershed	W-11;	
	MAXIMUM	MUM				Z	AXIMUM.	VOLUME	FOR SEL	ECTED T	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	ERVAL				
YEAR	DISCH	ARGE	l hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	l day	ay	2 days	ys	8 days	ys
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
1937	9-5	0.82		NR.		NR		NP		NR	8-6	0,58		0.58	8-30	0.72
1938	92-5	.28		NR.		NR	6-28	0.20	6-28	0.20	6-28	.20	6-28	.20	6-21	.33
Notes:	Quality of records - poor	f record	ls - poc	or												

	8 days		0.28	.13	•00	
57	8	Date Vol.	8-27	6-22	6-6	
MEXICAN SPRINGS, NEW MEXICO Watershed W-15 R SELECTED TIME INTERVAL	ys	Vol.	0.17	.10	60.0	
) Water	2 days	Date	9-3	6-28	6-6	
W MEXICO	ay	Vol.	0.16	•30	90°0	
INTERVALS MEXICAN SPRINGS, NEW MEX. MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 day	Date	9-4	6-28	9-10	
AN SPRI	ours	Vol.	NR	H	0.08	
MEXIC FOR SEI	12 hours	Date			9-10	
LX IMUM S.S.	6 hours	Vol.	INR	NR	0.07	
INUAL MEINTERVAL	6 hc	Date			9-10	
AND AN TIME I	2 hours	Vol.	NR	NR	90°0	
SELECTE	2 hc	Date			9-10	
INCHES I	our	Vol.	NR	NR	0.05	or.
TES IN	1 hour	Date			9-10	rds - po
DISCHARC RUNOFF	ARGE	Rate	0.16	S.	.07	of reco
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS MAXIMUM MAXIMUM MAXIMUM	DISCHARGE	Date	4-6	6-28	9-10	quality
ANNUAL I	YEAR		1937	1938	1939	Notes: Quality of records - poor.

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			Vol.	0.03	E	.03	то°	0	.53	•36	50.	.38	.18			
	8 days Date V		1-30	9-10		8-18	7-25	7-13	8-25	8-4	70-20-					
		_	Vol. D	0.03		20.	ηυ·	0	•53	.34	P.	. 38	9.T.	7		
I-M páus		2 days	Date V	8-27		1-30	01-6		8-18	7-25	7-13	8-25	8-1;		Quality of records - good.	
0 Water	RVAL		b	Vol.	0.03	EH	20.	70.	0	.53	.34	20.	38	.18		record
W MEXIC	ME INTE	l day	Date	8-27		1-30	9-10		8-18	7-25	7-13	8-25	4-8		lity of	
SANTA FE, NEW MEXICO Watershed W-I	CTED TI	ırs	Vol.	0.03	E	*00	70.	0	.53	3.4	20.	.38	•18			
SANT	OR SELE	12 hours	Date	8-27		1-30	01-6		8-18	7-25	7-13	8-25	8-1;		T - trace.	
KIMUM	VOLUME F	ırs	Vol.	0.03	E	*00	,04	0	•53	.34	20.	.38	.18			
NUAL MA	HES PER HOUR AND AUNUA FOR SELECTED TIME INTE MAXI 2 hours	6 hours	Date	8-27		1-30	9-10		8-1.8	7-25	7-13	8-25	8-7		d Dec.	
AND AN TIME I		urs	Vol.	0.03	E	10.	10°	0	.53	JE.	•05	.38	.17		June an	
ER HOUR ELECTED			Date	8-27		1-30	9-10		8-18	7-25	7-13	8-25	8-5		hrough	
NCHES P			ur	ur	our	Vol.	0.03	₽	.01	£0.	0	.1,8	JE.	50.	.37	.16
ES IN I		1 hour	Date	8-27		1-30	9-10		8-18	7-25	7-13	8-24	8-5		eration	
DISCHARG RUNOFF I	4UM	ARGE	Rate	0.20	₽	.03	70.	0	06.	1.27	71.	1.04	•36		ot in or	
VOLUMES OF F	MAXIMUM	DISCHARGE	Date	8-27		6-24	9-10		8-18	7-25	7-13	8-25	8-5		tation no	
AINUAL M VOLUN		YEAR		1939	1940	1961	1942	1943	1944	1945	1946	1947	1948		Notes: Station not in operation Jan. through June and Dec. 1939.	

		days	Vol.	H	H	E	0.01	.38	90°	.03	•08	%		
		8 da	Date				7-18	7-4	2-5	8-9	6-6	2-20		
II-	li le	78	Vol.	H	H	H	,0.01	.38	%	.03	90.	• 05		d.
INTERVALS SANTA FE, NEW MEXICO Watershed W-II MAXIMOM VOLUME FOR SELECTED TIME INTERVAL		2 days	Date				7-18	7-7	2-2	8-9	6-6	2-20		ls = god
	TRVAL	ay	Vol.	H	E	H	0.01	.24	ਹੈ.	.09	80.	E		Quality of records - good.
	OME INTE	l day	Date				7-18	7-5	2-5	8-9	6-6			lity of
FE, NE	CTED T	ırs	Vol.	H	EH	E	0.01	.24	, Ot	.03	80.	E		I .
SANTA	OR SELE	12 hours	Date			-	7-18	7-5	2-2	8-9	6-6			T - trace.
CIMOM	OLUME F	ırs	Vol.	E	H	E	0.01	.24	.03	.03	80°	E		1
TUAL MAD	X TMUM V	6 hours	Date				7-18	7-5	22	8-9	6-6			Dec.
AND AND TIME IN	W	ırs	Vol.	Ð	E	E		•20	р.	Ö.	.00	E		June and
R HOUR		2 hours	Date				7-18	7-5	2-2	8-9	6-6			Notes: Station not in operation Jan. through June and Dec. 1939.
CHES PR		ង	Vol.	H	E	E	0.01	.12	₽	.03	90°	E		
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS MAXIMUM VOLUM	1 hour	Date				7-18	7-5	2-5	8-9	6-6			eration	
	MO	CE	Rate	EH	E	E	0.02	.15	.01	,00t	•00	*01		t in op
MAXIMUM D.	MAXIMUM	DISCHARGE	Date				7-18	8-18	2-2	8-9	8-15	2-20		tation no
ANNUAL I		YEAR		1940	1941	1942	19μ3	1944	1945	1946	1947	1948		Notes: S
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	ANNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	ES IN I	NCHES F	ER HOUF	A AND AN	NUAL MA	XIMUM	SANT	A FE, N.	EW MEXI	CO Wat	SANTA FE, NEW MEXICO Watershed W-III	W-III		
		MAXIMUM	MUM				X	AXIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEL	ECTED T	IME INT	ERVAL				
	YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	1 day	ay	2 da;	days	8 days	ys
		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
	1939		NR		展		贸		MR		Æ		MR.		NR		A.W
	1940	9-20	1.00	9-20	0.12	9-20	0.12	9-20	0.12	9-20	0.12	9-20	0,12	9-20	0.12	9-50	0.12
	19/1	7-14	.48	7-14	80.	7-1	.08	7-7	80.	7-4	80.	7-4	.08	7-14	80.	7-1:	• 08
	1942	9-11	۰۱۰	9-11	10.	9-11	.04	9-11	, O.	9-11	,00,	11-6	.07	9-11	.07	11-6	.07
	1943	8-1	•65	8-1	.15	8-1	.15	1- 8	•15	8-4	•35	8-14	.15	8-1	.15	8-4	.15
	1914	9-17	1.22	9-17	.20	9-17	.20	9-17	• 50	9-17	.20	9-17	.30	9-17	.20	7-18	.21
.0.2	1945	8-0	.18	8-9	.13	8-9	.13	8-9	.13	8-9	.13	8-8	11.	8-8	.17	8-8	.17
	1946I	8-13	444.	8-13	.13	8-13	.13	8-13	.13	8-13	.13	8-13	•13	8-13	.13	2-6	.14
	1947	8-8	96*	8-8	.31	8-8	.31	8-8	.31	8	.31	8-8	.31	8-8	.31	8-8	.31
	1948	5-19	1.12	5-19	•13	5-19	.13	5-19	•13	5-19	.13	5-19	.13	5-19	.13	5-19	.13
Z	otes: (Notes: Quality of records - poor.	of record	00d - s	ř.												



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		1.58	5.24	3.80	1,64	60°7	11.	4.17	3.20	1.03	Vol.	8,									
		2-28	3-5	1-24	3-1	2-22	1-5	2-9	3-17	3-30	Date	8 days		4							
		1.49	3.81	2,17	.73	2,60	11.	2,30	2.07	99°0	Vol.	ys		Watershed W-1							
		2-28	3-8	1-27	3-1	2-26	1-5	2-10	3-21	4-3	Date	2 days									
air.		183y 0.555 1.57 1.79 1.94 2.12 2.12 1.07	ay	ERVAL	Placerville, Calif.																
Quality of records - fair.		2-28	3-9	1-27	7-7	2-26	1-5	2-10	2-4	6-4	Date	1 day	CECTED TIME IN	rville,							
of reco		79.	1.58	1.62	•59	1.13	11.	1,21	1.47	0.48	Vol.	urs		Place:							
Mality o		2-28	1-51	1-27	7-7	2-27	1-5	2-2	5-4	6-4	Date	12 hours	FOR SEL								
		.53	1,02	1.42	.41	.79	.11	1.00	.86	0.26	Vol.	urs	VOLUME	XIMUM							
farch 19		2-29	1-21	1-27	7-7	2-27	1-5	2-5	2-14	4-3	Date	6 hc	AXIMUM	NNUAL M							
Station discontinued March 1944.		24.	.71	89.	.24	77.	01.	.54	•56	0.11	Vol.	urs	Σ.	AND AN							
discont		2-29	3-9	1-27	1=5	1-11	1-5	2-2	2-14	4-3	Date	2 ho		ER HOUR ELECTED							
Station		.29	•56	67.	.15	.31	90°	.37	•39	90°0	Vol.	ur									
		2-29	3-9	1-27	1-5	1-11	1-5	2-5	2-14	4-3	Date	1 ho		ES IN I							
year rec		•35	1,13	. 89	.18	79.	.08	79°	79°	0.11	Rate	AUM LRGE	AUM	AUM	ARGE	RGE	RGE	RGE	MUM	SUNOFF II	
a - Part-year record.		2-29	3-9	1-27	1-5	1-11	1-5	2-28	2-14	4-3	Date	DISCH	MAXII	MES OF 1							
Notes: a	and the second s	a1944	1943	1942	1941	1940	1939	1938	1937	1936	-	YEAR		ANNUAL N							
		.35 2-29 .29 2-29 .42 2-29 .53	3-9 1,13 3-9 ,56 3-9 ,71 1-21 1,02	1-27 .89 1-27 .49 1-27 .68 1-27 1.42	1-5 .18 1-5 .15 1-5 .24 4-4 .41	1-11 .64 1-11 .31 1-11 .44 2-27 .79	11-5 .00 1-5 .06 1-5 .10 1-5 .11	2-28 .64 2-2 .37 2-2 .54 2-2 1.00	2-14 .64 2-14 .39 2-14 .56 2-14 .86	4-3 0.11 4-3 0.06 4-3 0.11 4-3 0.26	Rate Date Vol. Date Vol. Date Vol.	DISCHARGE 1 hour 2 hours 6 hours		ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS							



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		ys	Vol.		OFF.			fair.
		8 days	Date		OF RUN			ords =
Watershed W-1		8	Vol.		TOLUMES			of rec
Water		2 days	Date		ION OF			wuality of records - fair.
Salif.	RVAL	r,	Vol.		SPATINAT			
Santa Paula, Calif.	NE INTE	1 day	Date		ATE DET			Jan.
Santa 1	CTED TI	1r 2 hours 6 hours 12 hours	Vol.		ACCUR			ntinue
	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL		Date		SEDIMENT DEPOSITION AT GAGING STATION PREVENTED ACCURATE DETERMINATION OF VOLUMES OF RUNOFF.			Station placed in operation Oct. 1938; discontinued Jan. 1942.
TMUM	OLUME F		Vol.		ATION P			st. 193
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	X IMUM V		Date		GING ST			ation 0
	W		Vol.		N AT GA			in oper
			Date		POSITIO			placed
			Vol.		MENT DE			tation
		1 hour	Date		SEDI			
ISCHARGE UNOFF II	MC	RGE	Rate	0.02	•05	.01	.03	ear rec
AXIMUM D MES OF RI	MAXIMUM	DISCHARGE	Date	12-20	12-20	12-23	3-31	a - Part-year record.
ANNUAL MA		YEAR		a1938	1939	1940	17/61	Notes: a

	T							
		7.5	Vol.		OFF.			- fair.
-3		8 days	Date		DETERMINATION OF VOLUMES OF RUNOFF.			scords -
Watershed W-3		days	Vol.		VOLUME			Quality of records
1		2 da	Date		TION OF			
Calif.	ERVAL	1 'day	Vol.		TERMINA			. 1942.
Santa Paula, Calif.	LIME IN	2. [Date		JRATE DE			ued Jan
Sante	LECTED (ours	Vol.		ED ACCI			scontin
	FOR SEI	12 hours	Date		PREVENT			.938; di
AX IMUM LS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Vol.		SECTIMENT DEPOSITION AT GAGING STATION PREVENTED ACCURATE			Station placed in operation Oct. 1938; discontinued Jan. 1942.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MUMITAN	6 hc	Date		AGING S			eration
R AND ANN D TIME IN	V	, junc	Vol.		ON AT C			do ui be
ER HOUR		2 hours	Date		EPOSITI			on place
INCHES ES FOR		ur	Vol.		IMENT 1			Static
GES IN		1 hour	Date					record.
DISCHAR RUNOFF	MUM	ARGE	Rate	0.03	.01	.34	.31	- Part-year record.
MAXIMUM JMES OF	MAXIMUM	DISCHARGE	Date	12-14	2-5	12-18	2-28	а – Раг
ANNUAL N VOLU		YEAR		a1938	1939	0761	1941	Notes:

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	ANNUAL	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. RUNGET IN INCHES FOR SELECTED TIME INTERVALS	ES IN I	NCHES 1	PER HOUF	AND AN	NUAL MA	XIMUM		Santa E	Santa Paula, Calif.	alif.	Waters	Watershed W-4		
		MAXIMUM	MUM				M	AXIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEL	ECTED T	IME INT	ERVAL				
	YEAR	DISCHARGE	ARGE	l hour	ur	2 hours	urs	6 hours	urs	12 hours	urs	1 day	ay.	2 days	ys	8 days	78
		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
	a1938	12-20	97.0														
	1939	1-30	90°	SEI	IMENT I	EPOSITI	ON AT G	AGING S	SEDIMENT DEPOSITION AT CAGING STATION PREVENDED ACCURATE DETERMINATION OF VOLUMES OF RUNOFF.	PREVENT	ED ACCU	RATE DE	TERMINA	TION OF	VOLUMES	OF RUN	OFF.
	1940	12-18	76.														
	1761	2-28	.73														
51 3																	
	Notes:	a - Part-year record.	-year re		Station	placed	in ope	ration (Station placed in operation Oct. 1938; discontinued Jan. 1942. Quality of records - fair.	38; disc	continue	ed Jan.	1942.	Quality	of rec	ords -	fair.

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L MAXIMOM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMOM VOLUME FOR SELECTED TIME INVESTVAL. MAXIMOM VOLUME FOR SELECTED TIME INVESTVAL. DISCHARGE The last Date Vol. Date Vol. Date Vol. Date Vol. Date Vol. Date Vol. 12-20 0.57 1-20 0.68 SEMIMENT REPOSITION AT GAGING STATION PREVENTED ACCUPATE DEFENDINGTION OF VOLUMES 2-6 2-6 .56 2-7 1-8 2-6 .56 3-7 1-90 0.08 SEMIMENT REPOSITION AT GAGING STATION PREVENTED ACCUPATE DEFENDINGTION OF VOLUMES 3-6 2-6 .56 3-7 3-7 3-7 3-8 3-8 3-8 3-8 3-8			8 days	Date Vol.		OF RUNOFF.			rd - fair.
Date Rate Date MAXIMUM DISCHARGE 1 1 1 1 1 1 1 1 1	5-M peqs.		2			VOLUMES			of reco
Date Rate Date MAXIMUM DISCHARGE 1 1 1 1 1 1 1 1 1			2 day	\vdash		TION OF			Quality
Date Rate Date MAXIMUM DISCHARGE 1 1 1 1 1 1 1 1 1	, Calif.	TERVAL	day	Vol.		TERMINA			. 1942.
Date Rate Date MAXIMUM DISCHARGE 1 1 1 1 1 1 1 1 1	Paula	IME IN	1	Date		RATE DI			ed Jan
Date Rate Date MAXIMUM DISCHARGE 1 1 1 1 1 1 1 1 1	Santa	ECTED T	urs	Vol.		ED ACCU			continue
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Date Rate Date MAXIMUM DISCHARGE 1 1 1 1 1 1 1 1 1	XIMUM	VOLUME :	urs	Vol.		LATION D)ct. 19
Date Rate Date MAXIMUM DISCHARGE 1 1 1 1 1 1 1 1 1	SS IN INCHES FER HOUR AND ANNUAL MAINCHES FOR SELECTED TIME INTERVAL	AXIMUM.	6 hou	Date		AGING S			ration (
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Date Rate Date MAXIMUM DISCHARGE 1 1 1 1 1 1 1 1 1			ur	Vol.		I TAKENI I			Station
ANNUAL MAXIMUM DISCHARG VOLUMES OF RUNOFF I A1938 12-20 0.57 1939 1-30 .08 1940 12-18 6.63 1941 2-6 .56			1 hou	Date		SE			- 1
ANNUAL MAXIMUM I VOLUMES OF F MAXIM DISCHE Date Date 1939 1-20 1941 2-6 1941 2-6 104	DISCHARG	AUM	RGE	Rate	0.57	80°	69.9	•56	year re
ANNUAL VOL. VOL. 1938 1940 1941 1941	MAXIMUM I	MAXIN	DISCH	Date	12-20	1-30	12-18	5-6	a - Part-
	ANNUAL		YEAR		a1938	1939	1940	1941	Notes:

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AINIUAL VOI	ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARC RUNOFF I	LES IN	INCHES I	PER HOUR	AND AN	NUAL MA NTERVAL	XIMUM		Santa	Santa Paula, Calif.	Calif.		Watershed W-6	9-1	
	MAXIMUM	MUM				M	AXIMUM Y	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	FOR SEL	ECTED T	IME INT	ERVAL				
YEAR	DISCHARGE	IARGE	1 hour	nc	2 hours	urs	6 hours	urs	12 hours	urs	1 day	ay	2 days	ys	8 days	ays
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
a1938	12-20	0.02														
1939		م	va ————————————————————————————————————	SEDEMENT DEPOSITION AT GAGING STATION PREVENTED ACCURATE DETERMINATION OF VOLUMES OF HUNOFF.	DEPOSI	TON AT	GAGING	STATION	PREVE	TED ACC	URATE D	ETERMIN	ATION C	F VOLUM	ES OF B	JUNOFF.
1940	12-23	70°														
1961	3-3	1.02														
1942		Q														
a1943	1-20	1,22														
		,														
Notes:	a - Part-year record.	-year re		Station	placed	tedo ui	ation C	Station placed in operation Oct. 1938; discontinued June 1943.	R; disc	ontinue	od June	1943.	ъм – d	b - Maximum rate less	rate le	88
than 0.0	than 0.005 in/hr.		м	Quality of record - fair.	fair.	•						<u>.</u>				

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		10	Vol.		FF.							
1wood		8 days	Date		OF RUNO							
Honda at Berylwood		10	Vol. I		OLUMES							
Honda		2 days	Date		TON OF							ir.
Calif.	ERVAL	ay .	Vol.		DETERMINATION OF VOLUMES OF RUNOFF.							nda - Pa
Santa Paula, Calif.	TIME INTERVAL	l day	Date		RATE DE							טל דפנטו
Santa	ECTED T	urs	Vol.		SECTIMENT DEPOSITION AT CAGING STATION PREVENTISD ACCURACE							nal ity
	MAXIMUM VOLUME FOR SELECTED	12 hours	Date		PREVENT							037. 70
X IMUM	VOLUME	6 hours 12	Vol.		TATION							Sent
INUAL M	MUMIXA	6 hc	Date		AGING S							areat.ion
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	~	ours	Vol.		ON AT							in on
		2 hours	Date		EPOSITI							Station placed in operation Sept. 1934. Chality of records - fair.
INCHES I		nrc	Vol.		DIMENT 1							 Statto
ES IN		1 hour	Date		8							eord.
DISCHARG RUNOFF I	MUM	ARGE	Rate	0.03	.17	70°	•05	90°	.01	.98	.39	a = Part-vear record.
MES OF I	MAXIMUM	DISCHARGE	Date	11-19	1-5	12-30	1-30	12-20	1-30	12-18	2-28	Part.
ANNUAL N VOLU		YEAR		a1934	1935	1936	1937	1938	1939	1940	1%1	Notes:

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Амв.		ys	Vol.		NOFF.											
Milligan and Los Angeles Ave.		8 days	Date		deposition at gaging station prevented accurate determination of volumes of rimoff.											
nd Los		days	Vol.		VOLUME											
ligan a		2 da	Date		TION OF											air.
1	ERVAL	ay	Vol.		TERMINA				_							ords - 1
, Calif	INE INT	l day	Date		RATE DE											of reco
Santa Paula, Calif.	ECTED T	urs	Vol.		ED ACCU											Quality of records - fair.
Sant	FOR SEL	12 hours	Date		PREVENT						 					1
XIMUM	VOLUME	urs	Vol.		TATION								,,		 -	Sept.]
NUAL MA	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	6 hours	Date		AGING 8											ration
AND AN TIME I	M	urs	Vol.		ON AT											in ope
ER HOUR ELECTED		2 hours	Date		EPOSIT											Station placed in operation Sept. 1934.
NCHES P S FOR S		ur	Vol.		SEDIMENT											Station
ES IN I		l hour	Date		8											scord.
DISCHARG	IUM	RGE	Rate	0.03	.12	.02	ord	ord	.02	•05						-year re
ANNUAL WAXDAUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXDAUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	75-21	1-5	2-18	No record	No record	1-30	2-1						a - Part-year record.
ANNUAL N		YEAR		a1934	1935	1936	1937	1938	1939	1940						Notes:

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		78	Vol.		OFF.									
Rd.		8 days	Date		OF RUN									
Perkins		8	Vol.		VOLUMES									
Honda at Perkins Rd.		2 days	Date		ION OF				-					
1	ERVAL	ay	Vol.		ERMINAL									
la, Cal	IME INT	1 day	Date		NATE DE									
Santa Paula, Calif	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.		SEDIMENT DEPOSITION AT CAGING STATION PREVENTED ACCURATE DETERMINATION OF VOLUMES OF RUNOFF.									
8	FOR SEL	12 hours	Date		REVENTE						-			
KIMUM	VOLUME 1	ırs	Vol.		ATION F									
NUAL MA	MUMI X	6 hours	Date		GING S					-	-			
AND AND TIME I	M	ırs	Vol.		N AT C								•	
ER HOUR		2 hours	Date		POSITIC									
NCHES P		ur	Vol.		OMENT DE							-		
ES IN I		l hour	Date		SED									7
ISCHARG	MUM	RGE	Rate	0.01	.18	010	80.	.53	.02	е .55	• 28	80.	•28	
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNGEF IN INCHES FOR SELECTED TIME INTERVALS.	MAXIMUM	DISCHARGE	Date	12-13	1=5	12-30	2-13	2-11	1-30	12-18	2-28	3-14	1-23	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		a1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	

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ey Rd.		Į s	Vol.		FF.			
Seardsle		8 days	Date		OF RUNC			
nda at]		/s	Vol.		OLUMES			
Colorado & Honda at Beardsley Rd.		2 days	Date		SEDIMENT DEPOSITION AT CAGING STATION PREVENTED ACCURATE DETERMINATION OF VOLUMES OF RUNOFF.			air.
	ERVAL	ay	Vol.		ERMINAT			Quality of records - fair.
Santa Paula, Calif.	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 day	Date		ATE DE			of reco
Paula,	ECTED 1	urs	Vol.		ED ACCUT			uality
Santa	FOR SEI	12 hours	Date		PREVENT			1
AXIMUM LS	VOLUME	6 hours	Vol.		TATION]			Sept.]
NNUAL M	MAXIMUM	6 hc	Date		GING S			ration
A AND A		2 hours	Vol.		ON AT G			l in ope
PER HOUR		2 hc	Date		RPOŞITL			Station placed in operation Sept. 1934.
INCHES SS FOR		ur	Vol.		MENT D			Station
ES IN I		1 hour	Date		CEEC			cord.
DISCHARC RUNOFF 1	MUM	ARGE	Rate	0.01	•16	•05	ord	- Part-year record.
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAX IMUM	DISCHARGE	Date	11-19	15	2-12	No record	a - Part
ANNUAL		YEAR		a1934	1935	1936	1937	Notes:



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		days	Vol.	2.91	5.07	*18	5.57	4.03	7.00	4.35	
7		8 क	Date	2-1	2-8	1-29	2-25	1-9	2-1	1-20	
Watershed W-1		days	Vol.	2,65	1.90	.18	3.59	2.43	4.14	3.28	
Water		2 de	Date	2-4	2-12	1-29	2=26	4-3	2-4	1-20	
Calif.	ERVAL	ay	Vol.	2.36	1.24	.15	2.72	2.05	3.47	2,28	
Sebastopol, Calif.	TIME INTERVAL	l day	Date	2-4	3-6	1-29	2-26	7-7	2-5	1-20	9
Sebas	SELECTED T	urs	Vol.	1.89	1.05	.11	1.89	1.73	1.93	1.44	
	FOR SEL	12 hours	Date	2-4	2-10	1-29	2-26	7-7	2-5	1-20	40.00
KIMUM	VOLUME	urs	Vol.	1.42	.61	,00°	1,24	1,35	1.40	-89	
NUAL MA	MAXIMUM VOLUME	6 hours	Date	2-4	3-6	1-29	2-26	7-7	2-5	1-20	10
AND AN TIME I	M	urs	Vol.	0.55	•30	.03	.51	.76	.54	7.	- farrod
ER HOUR ELECTED		2 hours	Date	5-4	3-6	1-4	2-26	1-13	2-5	1-20	d i noon
NCHES P. S FOR S.		ırı	Vol.	0.28	.22	.03	.27	.57	•36	.24	Station dissentianced Tules 1070
ES IN I N INCHE		l hour	Date	2-4	3-6	1-4	2-17	1-12	2-5	1-20	
DISCHARG	MOM	RGE	Rate	0.32	19.	90°	24.	.60	•56	.30	TART TART
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGER IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	2-4	3-6	1-4	2-17	1-13	2-5	1-20	A - Part-vear record
ANNUAL N		YEAR		1937	1938	1939	1940	1941	1942	a1943	Notes: a

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		tys	Vol.	4.35	3.07	3.65	11:	4.51	
		8 days	Date	2-17	1-29	2-8	1-4	2-25	
Watershed W-2		ys	Vol.	2.36	2,82	1.33	.11	3.35	
		2 days	Date	2-11	2-3	2-12	1-4	2-26	
Calif.	ERVAL	ay	Vol.	1.77	2,82	.97	.11	2.06	ir.
Sebastopol, Calif.	IME INT	l day	Date	2-11	2-4	2-13	1-4	2-26	rd - fa
Sebas	ECTED T	urs	Vol.	1.11	2.46	.83	11.	1.46	Quality of record - fair.
	FOR SEL	12 hours	Date	2-11	5-4	2-13	1-4	1-25	uality
XIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	1.02	1.58	67*	11.	1.04	
INUAL MA	AXIMUM	6 hours	Date	2-11	2-4	2-13	1-4	2-26	April]
AND AN	N.	urs	Vol.	0.70	89.	•32	60°	•45	Station discontinued April 1940.
ELECTE		2 hours	Date	2-11	7-7	2-2	1-4	2-3	n disco
NOTES E		ur	Vol.	97.0	.34	.18	.07	*34	Station
ES IN INCHE		1 hour	Date	2-11	2-4	1-31	1-4	2-3	scord.
DISCHARC RUNOFF 1	MUM	ARGE	Rate	0.74	•43	.41	.14	.53	-year re
AL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	2-11	2-4	2-13	1-4	2-3	a - Part-year record.
ANNUAL MAXIMUM DISCHARGES IN INCHES FER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGF IN INCHES FOR SELECTED TIME INFERVALS		YEAR		1936	1937	1938	1939	a1940	Notes:

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		days	Vol.	0.37	3.23	3.35	05	4.26	3.81	2.76						- fair.
		8 da	Date	12-26	5-6	2-8	1-4	2-25	2-4	1-31				-		ords -
shed W-1		days	Vol.	0.25	3.02	1,51	.02	3.85	2.47	2.03						Quality of records
Watershed		2 da	Date	2-1	2-13	2-15	1-4	2-26	2-8	2-4	1					Quality
alif.	ERVAL	ay.	Vol.	0.25	3.02	1.34	10.	3.64	1,28	1.83						1942.
Vacaville, Calif.	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	1 day.	Date	2-1	2-13	2-13	1-4	2-26	2-8	2-4						d June
Тасат	ECTED T	urs	Vol.	0.25	2.97	1,10	.01	2.39	1.01	1.37					1	continue
	FOR SEL	12 hours	Date	2-1	2-13	2-13	1-4	2-26	2-10	5-4						36; disc
KIMUM	VOLUME 1	urs	Vol.	0.25	2,08	.79	.01	1.31	.78	.81						Dec. 193
NUAL MA	AX IMUMI XA	6 hours	Date	2-1	2-13	2-13	1-4	2-26	2-10	1-24		,				ation I
AND AN TIME I	M	urs	Vol.	0.23	.87	.39	.01	.75	.36	.53			0.			Station placed in operation Dec. 1936; discontinued June 1942.
ER HOUR ELECTED		2 hours	Date	12-26	2-13	2-13	1-4	2-26	2-10	1-24						placed
NCHES P		ur	Vol.	0.19	• 45	.23	.01	•,38	.25	•36					-	Station
ES IN I		l hour	Date	12-26	7-7	2-13	1-4	2-27	1-13	1-24						1 :
DISCHARGES IN INCHES PER HOUR AND ANNUAL MAX. RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	TUM	RGE	Rate	0.54	4 2°	09.	.01	•52	.53	.37						 - Part-year record.
AL MAXIMUM I	MAXIMUM	DISCHARGE	Date	12-26	3-51	2-13	1-20	2-27	1-13	1-25					-	- Part-
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNGEY IN INCHES FOR SELECTED TIME INTERVALS		YEAR		a1936	1937	1938	1939	1940	1941	a1942					 	 Notes: a



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-		80	Date		JF RI			/hr
Watershed W-1			-:		SE			1 1 1
ersh		days	Vol.		NOLUI			000
Wate		2 de	Date		OF 1			lan (
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Cal i	RVAL	5	Vol.		MINA			le le
Watsonville, Calif.	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	_		AT GAGING STATION PREVENTED ACCURATE DETERMINATION OF VOLUMES OF RUNOFF.			b - Maximum rate less than 0.005 in./hr.
nvil	ME		Date		EE D			imum
atso	ED T		7.		CURA			Max
38	LECT	12 hours	Vol.		D AC			۵ ا
	R SE	12 h	Date		ENTE			80
	E FO		Н		PREV			 193
MOMI	OLUM	rs	Vol.		NOI			Station placed in operation Sept. 1938.
MAX VALS	V WU	6 hours			STAT			S no
NUAL	AXIM	9	Date		ING			rati
D AN ME I	×		1.		GAO			edo
R AND TI		2 hours	Vol.		A AT			d in
HOU		2 h	Date		ITIO			lace
PER		-			EPOS			d uo
CHES FOR		អ	Vol.		INT D			tati
N IN		l hour			SEDIMENT DEPOSITION			 1
ES I		٦	Date		贸			cord
HARG FF I			Rate	۾	07.0	1.79	.34	r re
DISC	MUM	ARGE	Ra	נה	o	ri.	•	-yea
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL NAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERNALS	MAX IMUM	DISCHARGE	Date		1-3	2-28	3-1	a - Part-year record. of records - fair.
MAXI		Н	Da		1-	2	4	a of r
TUAL		ng.		a1938	1939	1940	1961	
AM		YEAR		816	Ä	7	ĭ	Notes: Quality

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ANNUAL	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHAR(SES IN	INCHES F ES FOR S	ER HOUR	AND AN	NUAL MA	XTMUM		Watson	ville,	Watsonville, Calif.		Watershed W-3	_	
	11.07	, , ,				M	ATATA	T CHARLES	100	TANA TANA TANA TANA TANA TANA TANA TANA	1					
YEAR	DISCH	MAY LMUM DISCHARGE	1 hour	our	2 hours		6 hours	volume	12 hours	urs urs	1 day	ay ay	2 days	SA.	8 days	SA
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
a1938		م		υ		υ		v		o		o		υ		υ
1939	3-8	0.02	3-9	0.01	3-6	0.02	3-9	0.05	3-8	60.0	3-8	0,12	3-8	0.13	3-8	0.17
1940	2-28	79.	2-27	. 25	2-27	7.	2-27	*8*	2-27	1,16	2-27	1.72	2-27	2,54	2-25	3.99
1941	2-9	•52	2-9	•45	5-9	.75	2-9	1.71	5-9	2.53	2-8	3.18	2-8	3.77	2-8	5.52
a1942	1-24	.22	1-24	•19	1-24	.26	1-24	.72	1-24	1,12	1-24	1.44	1-24	1,89	1-27	3.38
Notes: 0.005 i	a - Part-year record. in./hr. c - Volume le	-year re c - Vol	1 6	year record. Station placed in operation Oct. 1938; discontinued April 1942.	placed	in oper	ation (ity of	operation Oct. 1938; disco	38; disc	continue	d Apri	1942.	b - Re	b - Rate less than	than	

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	T					_			
		days	Vol.	O	υ	2,40	3.81	2.51	
-4		8 day	Date			2-25	2-9	2-3	ss than
Watershed W=4		ys	Vol.	υ	o	1.35	2.44	1.34	- Rate less than
Water		2 days	Date			2-27	2-9	2-3	٥
Calif.	ERVAL	ay	Vol.	υ	υ	0.0	1,88	.81	y 1942.
Watsonville, Calif.	IME INT	1 day	Date			2-27	2-9	2-5	nued Ma
Watson	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	υ	υ	0.54	1.27	24.	Station placed in operation in Oct. 1938; discontinued May 1942. ss than 0.005 in. Quality of records - fair.
	FOR SEL	12 hours	Date			2-27	2-0	65	1938; d - fair
X IMUM S	VOLUME	urs	Vol.	υ	υ	0.30	.73	•39	operation in Oct. 1938; di Quality of records - fair.
HARGES IN INCHES FOR SELECTED TIME	AXIMUM	6 hours	Date			2-27	2-9	2-5	ation i
	M	urs	Vol.	υ	υ	0.10	.28	.08	in oper Qual
		2 hours	Date			2-27	2-9	2-5	placed .005 in
		ur	Vol.	υ	υ	0.05	*17*	.03	tation than 0
		1 hour	Date			2-27	5-9	2-5	1 7
	AUM	ARGE	Rate	م	۾	90°0	.14	70°	-year record. Station placed in c - Volume less than 0.005 in.
NES OF I	MAXIMUM	DISCHARGE	Date			2-28	2-9	5-6	- Part-
AINTUAL N. VOLU		YEAR		a1938	1939	1940	1941	a1942	Notes: a - Part-year record. 0.005 in./hr. c - Volume le

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		ys	Vol.	0.03	.87	1.35	.28			
		8 days	Date	10-30	3-17	3-31	2-24	c - Volume		
W-2		9	Vol.	0.03	•26	.42	.08	1		
Watershed W-2		2 days	Date	11-3	3-18	3-31	2-11	1n./h		
	RVAL	· A	Vol.	0.02	.13	•23	•05	00°0 m		
EMMETT, IDAHO	ME INTE	l day	Date	11-3	3-18	3-31	2-11	 ess tha		
EMMETT	SELECTED TIME INTERVAL	ırs	Vol.	0.01	.00	11.	•03	b - Rate less than 0.005 in./hr.		
	OR SELE	.12 hours	Date	11-3	3-19	3-31	2-11			
MUMI	MAXIMUM VOLUME FOR	ırs	Vol.	0.01	•05	90°	•05	dug. 19		
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCER IN INCHES FOR SELECTED TIME INTERVALS	X MUMIX	6 hours	Date	11-3	3-18	3-31	2-11	ration A		
	MA	rs	Vol.	o	0.02	•05	.01	Station placed in operation Aug. 1938.		
		2 hours	Date		3-18	4-1	2-11	placed		
		1 hour	l hour	1 hour	Vol.	o	0.01	.01	o	record. Station
					Date		3-20	4-1		1 7
	UM	RGE	Rate	Q	0.01	.01	م	1 2		
ES OF R	MAXIMUM	DISCHARGE	Date		3-20	4-1		- Part-		
ANNUAL MA VOLUN		YEAR		a1938	1939	1940	1941	Notes: a - Part-yes		

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		days	Vol.	0.14	.72	3,31	1,19	1,32	•76		
		8 da	Date	0.14 12-29	1-14	3-17	2-25	2-18	2-1		
W-1		ys	Vol.	0.14	•26	1,13	.36	79°	. 28		
Watershed W-1		2 days	Date	12-30	3-18	3-19	2-26	2-18	2-4		
	INTERVAL	2y	Vol.	0.08	.15	-57	.28	•39	.18	Good	
MOSCOW, IDAHO	TIME INTE	l day	Date	12-30	3-19	3-20	3-7	2-18	2-4	record	
OOSOM	CTED TI	ırs	Vol.	70°0	.10	.38	.23	.23	.11	Quality of record:	
	FOR SELECTED	12 hours	Date	12-30	3-19	3-50	3-7	2-18	2-4		
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	OLUME F	ırs	Vol.	0.03	400	.22	•16	.13	.07	ec. 193	
	MAXIMUM VOLUME	6 hours	Date	12-30	3.19	3-21	3-7	2-18	2-4	ation D	
	/M	hours	Vol.	0.01	70*	.08	.08	• 05	.03	Station placed in operation Dec. 1937.	
		2	ch S	Date	12-30	3-19	3-21	2-6	2-18	1-27	placed
			Vol.	0.01	.02	70°	•05	.03	.02	tation	
		1 hour	Date	12-30	3-19	3-21	5-6	5-17	1-27		
DISCHARGE	TUM	RGE	Rate	0.01	.02	70*	.14	.03	•05	- Part-year record.	
AL MAXIMUM D	MAXIMUM	DISCHARGE	Date	12-30	3-19	3-21	2-6	5-17	1-27		
ANNUAL N VOLU		YEAR		a1937	1938	1939	1940	1941	1942	Notes: a	

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	ys	Vol.	0.16	.83	3.11	1,31	1.32	.76		
	8 da	Date	12-28	3-18	3-18	. 2-25	1-18	2-1		
	rs.	Vol.	0.14	.33	1.11	77.	09.	.30		
	2 day	Date	12-29	3-18	3-20	2-27	1-18	5-4		
RVAL	ry.	Vol.	0.10	.22	.56	.29	.36	.20		Good
ME INTE	1 de	Date	12-30	3-18	3-50	3-7	1-18	2-4		record
CTED TI	rs	Vol.	0.07	.14	.41	.22	.23	.14		Quality of record:
OR SELE	12 hou	Date	12-30	3-19	3-30	3-7	1-18	2-4		l
OLUME F	ırs	Vol.	70.0	.08	.27	.16	.13	60°		ec. 193
V MUMIX	6 hor	Date	12-30	3-19	3-20	3-7	1-18	1-27		ation D
MA	ırs	Vol.	0.02	70°	.10	.08	.00	.05		in oper
	2 hou	Date	12-30	3-19	3-20	3-7	1-25	1-27		plcaed
	n	Vol.	0.01	.02	\$00	70°	*0°	.03		Station pleased in operation Dec. 1937.
	1 hou	Date	12-30	1-22	3-20	3-7	1-25	1-27		1
UM	RGE	Rate	0.01	.02	•05	70°	70°	•03		year rec
MAXIM	DISCHA	Date	12-30	1-22	3-20	3-7	1-25	1-27		a - Part-year record.
	YEAR		a1937	1938	1939	1940	1961	1942		Notes: a
	MAXIMUM MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	MAXIMUM DISCHARGE 1 hour 2 hours 6 hours 12 hours 2 days 2 days	MAXIMUM PAXIMUM VOLUME FOR SELECTED TIME INTERVAL DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 day Date Rate Vol. Date Vol. Vol. Vol. Date	MAXIMUM 2 hours 6 hours 12-30 12-30 12-30 0.01 12-30 0.01 12-30 0.01 12-30 0.01 12-30 0.01 12-28 0.01 12-28 0.01 12-29 0.01 12-29 0.01 12-29 0.01 12-28 0.01 12-29 0.014 12-28	MAXIMUM Date Rate Date Vol. Date Vol	MAXIMUM DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 days 12-30 0.01 12-30 0.02 12-30 0.04 3-19 0.05 3-20 0.05	MAXIMOM Line Line	MAXIMUM DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 8 days	MAXIMOM Lance La	DISCHARGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 6 days 1

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				0.28	3.90	4.29	4.87	4.27							
		days	Vol.	ó		4.									
		8 de	Date	12-1	2-11	2-5	12-17	12-24							
Watershed W-1		/S	Vol.	0.16	1.41	1,68	1.76	1.73							
Waters		2 days	Date	12-2	2-14 1.41	2-6	12-18	12-29							
NOS	RVAL	ty.	Vol.	0.12	.77	1.07	26.	66.	1						
NEWBERG, OREGON	ME INTE	1 day	Date	12-1	2-14	2-5	12-19	12-29							
NEWBEI	CIED I	ırs	Vol.	90°0	24.5	•59	.51	.54							
	OR SELE	12 hours	Date	12-2	2-14	2-6	12-19	12-27							
MUMUL	OLUME I	1 hour 2 hours 6 hours	Vol.	0.03	.23	.22	.25	.29							
TUAL MAS	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL		Date	12-2	2-14	2-6	12-19	12-27							
AND AND TIME II	M		2 hours	2 hours	Vol.	0.01	60.	11.	•14	•11					
ER HOUR ELECTED						2 hour	2 hou	2 ho	Date	12-2	5-22	5-6	10-1	12-27	
NOTES PI						Vol.	0.01	60°	90°	•12	90°				
ES IN I						Date	12-2	5-22	2-6	10-1	12-27				
ISCHARG.	TUM	GE	UM	UM	UM RGE	Rate	0.01	.57	÷00	66.	90°	1			
AXIMUM I	VOLUMES OF RUNOFF IN INCHES FOR SELECTED THE INTERVALS MAXIMUM MAXIMUM VAXIMUM V	DISCHARGE	Date	12-2	5-22	2-6	10-1	12-27							
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS		YEAR		a1938	1939	1940	1941	1942	-						

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		sy.	Vol.		0.83	1.46	1.92	2.25	
8		8 days	Date		2-11	2-5	.97 12-16	1.02 12-24	
Watershed W-2		ys	Vol.		0.36	1,01	.97	1,02	
Water		2 days	Date		2-14	2-5	12-19	.60 12-27	
EGON	ERVAL	ay	Vol.		0.23	99°	•56	9°	
NEWHERG, OREGON	IME INT	1 day	Date		2-14	2=5	12-19	.31 12-27	
NEWB	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	1.	0.13	.38	.31	.31	
	FOR SEL	12 hours	Date	No runoff July 29 - Dec. 31.	2-14	2=5	12-19	.19 12-27	
XIMUM	VOLUME	urs	Vol.	ly 29 -	0.08	.23	•16	.19	
NUAL MA	AX IMUM	6 hours	Date	noff Ju	2-12	2-5	12-19	12-27	
AND AN TIME I	M	urs	Vol.	No ru	0.03	90°	90°	80.	
ER HOUR ELECTED		2 hours	Date	uly 29.	2-12	2=5	12-19	12-27	
NCHES P S FOR S		ur	Vol.	ation J	0.02	70.	.03	* 0°	8
ES AN I		1 hour	Date	redo ut	2-13	2-5	12-19	12-27	ds: Good
DISCHARG RUNOFF I	MUM	ARGE	Rate	Station placed in operation July 29.	0.02	70°	•03	70°	of recor
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	Station	2-12	2-5	12-19	12-21	Quality of records:
ANNUAL		YEAR		1938	1939	1940	1941	1942	Notes:

NDM NEWHERRG, OREGON Watershed W-3	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	s 12 hours 1 day 2 days 8 days	Vol. Date Vol. Date Vol. Date Vol. Date Vol.	0.18 12-2 0.24 12-2 0.26 12-2 0.30 12-1 0.38	.55 2-14 .80 2-11 1.18 2-11 1.52 2-8 2.94	1.44 2.5 2.38 2.5 2.90 2.5 3.51 2.3 4.71	.64 12-18 1.10 12-18 1.72 12-18 2.85 12-15 5.84	.95 12-26 1.27 12-26 1.56 12-26 1.93 12-24 4.02	
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	2 hours 6 hours	Date Vol. Date	12-2 0.09 12-2	2-11 .31 2-11	2-5 .71 2-5	12-15 .36 12-18	12-27 .49, 12-27	
S IN INCHES PE		1 hour	Date Vol.	12-2 0.06	2-12 .17	2-5 .37	12-15 .19	12-27 .25	
A DISCHARGE	MAXIMUM	DISCHARGE	Rate	90.0	• 23	•56	.22	.27	
L MAXIMUN	MAX	DISC	Date	12-2	2-13	2-5	12-15	12-27	
ANNUA		YEAR		a1938	1939	1940	1941	1942	

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DISCHARGE								VOLUMES OF NOTICE IN LINEAR PORT LINEAR LINEAR PROPERTY.	2			•			:		
DISCRINGE 1 hour 2 hours 6 hours 12 hours 1 day 2 days 3 da		MAXI	MUM				M	AXIMUM	VOLUME	FOR SEL	ECTED T	IME INT	ERVAL				
Date Nol. Date Vol. Date Date Vol. Date Date Date Vol. Date Date Date Vol. Date Date <th< th=""><th>YEAR</th><th>DISCH</th><th>ARGE</th><th>l ho</th><th>ur</th><th>2 ho</th><th>urs</th><th>6 ho</th><th>urs</th><th>12 ho</th><th>urs</th><th>1 d</th><th>ay</th><th>2 da</th><th>ıys</th><th>8 days</th><th>ys</th></th<>	YEAR	DISCH	ARGE	l ho	ur	2 ho	urs	6 ho	urs	12 ho	urs	1 d	ay	2 da	ıys	8 days	ys
Station placed in operation July 9. No runoff July 9 - Dec. 31. 2-12 0.18 2-12 0.18 2-11 0.43 2-11 0.60 2-11 0.60 2-11 1.34 2-5 2-5 1.05 2-12 0.43 2-11 0.60 2-11 0.95 2-11 1.34 2-5 2-7 1.2-15 1.2-15 1.2-15 1.35 12-27 1.35 12-27 1.35 12-26 1.05 2-11 1.34 1.34 12-17 1.35 12-27 1.35 12-26 1.05 2-11 1.34 1.34 12-17 1.35 12-27 1.35 12-26 1.05 1.05 2-11 1.34 1.34 1.34 1.34 1.35 12-27 1.35 12-26 1.05 1.05 1.05 1.07 1.09		Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.		Vol.	Date	Vol.	Date	Vol.
2-12 0.18 2-11 0.14 2-11 0.23 2-11 0.60 2-11 0.60 2-11 1.34 2-5 .52 2-5 .48 2-5 .62 2-5 1.06 2-5 1.85 2-5 2.12 2-5 2.47 12-15 .15 12-15 .24 12-27 .54 12-27 1.35 12-26 1.72 12-26 2.04 12-27 2.54 12-27 .37 12-27 .48 12-27 .64 12-27 1.35 12-26 1.72 12-26 2.04 12-26 2.52 12-27 .37 12-27 .48 12-27 1.35 12-27 1.35 12-26 2.04 12-26 2.52		Station	placed i	n opera	tion Ju	1y 9.	No runo	ff July	9 - De	c. 31.							
2-5 .52 2-5 .48 2-5 1.06 2-5 1.85 2-5 2.12 2-5 2.12 2-5 2.12 2-5 2.12 2-5 2.12 2-5 2.12 2-5 2.12 2-5 2.12 2.12 2.21 2.21 2.21 2.21 2.21 2.21 2.21 2.21 2.21 2.21 2.22 2.21 2.22 2.21 2.22 2.24 12-27 2.24 12-26 1.72 12-26 2.24 12-26 2.24 12-26 2.25 12-27 .34 12-27 .54 12-27 1.35 12-26 1.72 12-26 2.04 12-26 2.52 12-27 .34 12-27 .54 12-27 1.35 12-26 2.04 12-26 2.04 12-26 2.04 12-26 2.52 12-27 .35 <t< td=""><td>1939</td><td>2-12</td><td>0.18</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>09.0</td><td></td><td>96.0</td><td></td><td></td><td>2-8</td><td>2.72</td></t<>	1939	2-12	0.18								09.0		96.0			2-8	2.72
12-15	1940	2-5	.52		.48		.62		1.06		1,85	25	2,12		2.47	7-2	3,32
12-27	1941	12-15	.15	12-15	•15			12-17	.53		76.	12-17	1.39	12-17			5.18
	1942	12-27	.37	12-27	.34		79.	12-27	1.35.	12-26	1.72		2.04	12-26	2,52	12-54	4.82

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		ន	Vol.		0.59	.28	.02				
		8 days	Date		2-28	12-14	1-24				
Watershed W-1		ys	Vol.		0.02	•23	•05				
Waters		2 days	Date		3-7	7=3	1=24				
SH.	TERVAL	lay	Vol.		0.02	•23	.01				
DAYTON, WASH.	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date		3-7	7=3	1-24				
DA3	ECTED 1	ours	Vol.	H.	0.02	.23	.01				
	FOR SEI	12 hours	Date	Dec.	3-7	7-3	1-24				
XXIMUM S.S	VOLUME	ours	Vol.	No runoff Aug. 16 to Dec.	0.02	•23	*01				
UNUAL M	MUMIXA	6 hours	Date	off Aug	3-7	7-3	1-24				
A AND AN	V	2 hours	Vol.	No ru	0.02	•23	•01				
SELECTE		2 hc	Date	ıg. 16.	2-28	.22 7-3	.01 1-24				
INCHES I						Vol.	tion A	0.01 2-28	.22	•01	T)
SES IN		1 hour	Date	in oper	2-28	7-3	1-24	d: Good			
DISCHAR	MUM		Rate	placed	0.03	1,13	•01	f recor			
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNGFF IN INCHES FOR SELECTED THÆ INTERVALS	MAXIMUM	DISCHARGE	Date	Station placed in operation Aug. 16.	2-28	7-3	1-24	uality o			
ANNUAL I		YEAR		6E6T	1940	1761	1942	Notes: Quality of record:			



		ys	Vol.	0.13	.52	88	.51	.43	1.15	•54					
г Авоте		8 days	Date	12-20	.26 1-24	2-27	4-14	3-18	3-18	2-26					
зе Кіте		days	Vol.	90°0	.26	.32	.20	•16	.36	.18	·				
r Palous		2 da	Date	12-21	.16 1-24	2-27	4-14	3-18	3=20	2=27		- good -			
South Fork Palouse River Above Paradise Cr.	ERVAL	ay	Vol.	70.0	,16	.18	.16	.10	.18	.12		1940. records			
	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	l day	Date	12-21	.09 1-24	2-28	4-14	3-18	3-20	3-7		tinued July 1940. Quality of records			
Pullman, Wash.	ECTED T	urs	Vol.	0.03	60*	.10	60°	90°	.11	80.		continue Qual			
Pull	FOR SEL	12 hours	Date	12-21	.04 1-24	2-28	4-14	3-18	3-20	3-7		34; disc 305 in.			
XIMUM	VOLUME	urs	Vol.	0.01	70°	•05	•05	.03	90*	•05		ot. 19			
NUAL MA	AXIMUM .	6 hours	Date	12-22	.02 1-25	2-28	4-15	3-18	3-20	3-7		ration (
AND AN TIME I	M	2 hours		Vol.	0.01	.02	*00	00°	.01	.02	•05		ed in operation Oct. 1934; disc c - Volume less than 0.005 in.		
ER HOUR ELECTED				2 hour	2 ho	Date	12-22	1-25	2-28	4-15	3-18	3-20	3-7		lac
NCHES FOR S				Vol.	ပ	0.01	.01	.01	Б.	.01	.01		Station 5 in./h		
ES IN I		1 hour	Date		1-25	2-28	4-15	3-18	3-20	3-7		8 1			
DISCHARG RUNOFF I	VIOTA	ARGE	Rate	Ą	0.01	.01	.01	•01	.01	•01		- Rate less than 0.005 in./hr.			
ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNOFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date		1=25	2-28	4-15	3-18	3-21	3-7		a - Part- b - Rate			
ANNUAL I		YEAR		a1934	1935	1936	1937	1938	1939	a1940	·	Notes: a			

	T										T				
		days	Vol.	0.36	· 85	1.14	.92	.56	1.58	.72	sood.				
eek		8 da	Date	3-1	1-24	2-27	3-5	3-16	3-17	2-25	ord - 6				
lat Cre		days	Vol.	0.18	•38	57°	,27	.23	.55	.26	of rec				
Missouri Flat Creek		2 da	Date	3-5	1-24	2-29	3-10	3-18	3-19	2-26	Quality of record - good.				
	ERVAL	ay	Vol.	0.14	*57	.23	.18	.18	.30	.22	1940.				
Pullman, Wash.	TIME INTERVAL	l day	Date	3-5	1-24	3-1	71-7	3-18	3-19	3-7	station placed in operation Oct. 1934; discontinued July 1940.				
Pullm		urs	Vol.	90.0	.15	.17	.15	11.	• 50	.18	continu				
	MAXIMUM VOLUME FOR SELECTED	12 hours	Date	12-21	1-24	3-5	71-7	3-19	3-19	3-7	34; dis				
NOW S	VOLUME	urs	Vol.	0.04	80°	.12	60.	200	.13	.12	oct. 19				
NTERVAL	MXIMUM	6 hours	Date	12-51	1-24	3-5	4-15	3-19	3-19	3-7	ration				
TIME I	Ŋ	2 hours 6				2 hours	Vol.	0.01	.03	70°	70°	.03	•05	70.	edo ut
BLECTEL							2 h	2 h Date	12-21	1-24	3-2	4-15	3-19	3-19	3-7
IS FOR S		ur	Vol.	0.01	•05	•05	.02	.02	• 05	.02	Station				
IN INCHE		1 hour	Date	12-21	1-24	3-2	4-15	3-19	3-19	3-7					
SUNOFF I	NUM	ARGE.	Rate	0.01	•05	.02	•05	.02	.02	•05	year re				
AL MALINUM DISCURNESS IN INCHES FER HOUR AND ANNUAL MAK. VOLUMES OF RUNGET IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	12-21	1-24	3-2	4-15	3-19	3-19	3-7	a - Part-year record.				
ALMONT PALINON DISCREMENS IN INCHES FOR SELECTED TIME INTERVALS VOLUMES OF RUNCET IN INCHES FOR SELECTED TIME INTERVALS		YEAR		a1934	1935	1936	1937	1938	1939	a1940	Notes: a				

	П											T				
		days	Vol.	0.17	•76	1,00	ર્જુ	•53	1.14	.67		good.				
		8 de	Date	12-20	-24	2-27	3-2	3-18	3-17	2-25		ord -				
Creek		8	Vol.	0.08	17.	7770	.30	.21	.42	*57		of rec				
Four Mile Creek		2 days	Date	12-20	1-23	2-27	3-1	3-18	3-18	2-27		Quality of record - good.				
	VAL		Vol.	0.06	.26 h	.23 P	.16	.14	.21	-19 e-		┥				
Pullman, Wash.	E INTERVAL	l day	Date V	12-21 0		- 62	0)	81	61			July 1				
Pullma	ED TIME				.17 1-24	.14 2-27	.10 9-2	.08 3-18	.14 3-19	.12 3-7	······································	inned				
	FOR SELECTED	12 hours	e Vol.	70°0 1			-			-		liscont				
	FOR :	12	Date	12-21	1-24	2-28	3-3	3-19	3-19	3-7		934;				
AX IMUM LS	VOLUM	1 hour 2 hours 6 hours	Vol.	0.03	60°	.08	90°	.05	60.	60.		0ct. 1				
AND ANNUAL MAX TIME INTERVALS	MXIMUM		Date	12-21	1=24	2-28	3-3	3-19	3-19	3-7		ration				
AND AN	~		Vol.	0.01	.03	.03	.02	.02	•03	•03		in ope				
ER HOUR ELECTED			Date	12-21	1-24	2-28	3-3	3-19	3-19	3-7		Station placed in operation Oct. 1934; discontinued July 1940.				
FOR SI			1 hour	1 hour		Vol.	0.01	.02	.02	.01	.01	.02	.02		tation	
I INCHES					1 hour	1 hou	1 how	l hour	1 hour	Date	12-21	1-24	2-28	3-3	3-19	3-19
DISCHARGES IN INCHES PER HOUR RUNOFF IN INCHES FOR SELECTED	M.	Œ	Rate	0.01	.02	.02	.01	.01	.02	.02		ear rec				
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF NUNCEY IN INCHES FOR SELECTED THE INTERVALS	MAX IMUM	DISCHARGE	Date	12-21	1-24	2-28	ω.	3-19	3-19	2		- Part-year record.				
UAL ME		rs					7 3-3			3-7		ದ				
ANN		YEAR		a1934	1935	1936	1937	1938	1939	a1940		Notes:				



	Т		Г	T																ā
		days	Vol	0.18	2.50	3,25	•65	.57	.82	.86	•36	1,18	•16	•13	8	1.14	*34	•16	.52	005 ta/
2 2		8 da	Date	12-18	2-24	1-4	2-26	1-23	2-24	3-1	3-16	2-15	2-51	2-54	12-24	2-12	3-8	12-25	2-21	than 0.005 in/h
shed GS		days	Vol.	0.07	1.26	1.69	•30	•31	•43	67.	.15	.38	60°	.07	09°	97.	.21	,15	.20	Rate less
Watershed		2 da	Date	12-20	3-5	1.25	12	1-23	2-27	3-2	3-18	2-14	3-7	01-7	12-30	2-15	3-9	12-28	2-26	b - Rat
Wash.	İNTERVAL	day	Vol.	0.05	1.05	1.63	•21	•18	•23	.35	.11	,27	£0°	90°	•54	.27	.18	.15	.17	
Pullman,	TIME INT	1 d	Date	12-21	3-5	1-5	3-5	1-24	2-28	3-2	3-18	2-14	3-7	7-10	12-30	2-12	3-9	12-28	2-27	1 July
д	SELECTED T	urs	Vol.	0.03	92.	1,13	200	п.	,14	.25	200	.21	90*	•05	.31	. 30	.17	•12	7.	ontinue
	FOR SEL	12 hours	Date	12-21	3-5	1-5	1-3	1-24	2-28	3-2	3-18	2-14	3-7	4-10	12-30	2-12	39	12-28	2-27	Station placed in operation Aug. 1931; discontinued July 1946. Quality of records - good.
XIMUM	VOLUME	urs	Vol.	0.02	79.	.89	.14	400	60°	77.	•05	.17	70°	•03	.15	.14	.12	11:	.10	ug. 193
AND ANNUAL MAX TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	12-21	1-11	1-5	1-3	3-28	2-28	3-2	3-18	2-14	3-7	4-10	12-30	21-2	3-9	12-28	2-27	ation A good.
AND AN	×	hours	Vol.	0.01	.26	•34	•10	.03	*00	• 05	.02	\$0.	.02	.01	90°	90.	70°	.10	.05	in oper cords -
PER HOUR AND ANNUAL MAXIMUM SELECTED TIME INTERVALS		2 ho	Date	12-21	1-11	1-5	1-3	3-28	2-28	3-2	3-18	2-15	3-7	4-10	12-30	2-15	3-9	12-28	2-27	ation placed in operation Quality of records - good
		hour	Vol.	v	0,18	.17	90.	05	.02	.02	.01	70°	.01	.01	.03	•03	•05	80.	•03	tation Qualit
		1 ho	Date		1-11	1-5	1-3	3-28	2-28	3-5	3-18	2-15	3-7	4-10	12-30	2-15	3-9	12-28	2-27	ord. S 05 in.
DISCHARGES IN INCHES RUNOFF IN INCHES FOR	MUM	ARGE	Rate	Q	0.25	•17	60°	•05	•05	•03	.01	*0°	• 05	.02	•03	.03	.02	*18	90°	fear rec
ANNUAL MAXIMUM DISCHARGES VOLUMES OF RUNOFF IN I	MAXIMUM	DISCHARGE	Date		1-11	1-5	1-3	3-28	2-28	3-2	3-18	2-15	3-7	3-3	12-30	2-12	3-9	12-28	3-6	- Part-year record.
ANNUAL 1 VOLI		YEAR		a1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	a1946	Notes: a - Part-year record. : c - Volume less than 0.005 in.
		_																_		40

		ξ ₀	Vol.	0.39	1.13	1.94	.57	0	2,42	89.	.70		ood.
4		8 days	Date	12-20	12-26 1.13	12-17 1.94	1-16		2-22	3-7	1-15		Quality of record - good.
Watershed GS		ys	Vol.	0.20	1.00	1,25	.87•	0	1.47	•33	.35		of rec
Water		2 days	Date	12-27	12-26	12-6	1-22		2-26	3-7	1-20		Quality
Wash.	INTERVAL	ay	Vol.	0.20	.91	1.23	•33	0	1.18	.27	. 20		1938.
Pullman, Wash.	TIME INT	1 day	Date	12-27	12-26	12-6	3-5		2-27	3-7	1-20		Station placed in operation Oct. 1931; discontinued July 1938.
μ.	SELECTED T	urs	Vol.	0.15	.72	99°	.30	0	.93	8.	.19	,	continu
	FOR SEL	12 hours	Date	12-27	12-26	12-6	3-5		2-27	12-30	1-20		31; dis
XIMUM	VOLUME	urs	Vol.	0.08	77.	.55	.25	0	•42	.19	.13		Oct. 19
AND ANNUAL MAX. TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	12-21	12-26	12-6	3-5		2-27	12-30	1-20		ration
AND AN TIME I	M	urs	Vol.	70.0	.18	.22	,15	0	.18	.12	60.		in ope
IN INCHES PER HOUR INCHES FOR SELECTED		2 hours	Date	12-21	3-28	12-6	1-3		2-27	12-30	1-13		placed
NCHES F		ını	Vol.	0.03	.12	•12	.11	0	60°	90°	.08		Station
ES IN I		l hour	Date	12-21	3-28	12-6	1-3		2-27	12-30	1-13		1
DISCHARGES RUNOFF IN	MUM	ARGE	Rate	0.03	•30	24.	•18	0	п.	•39	.14		- Part-year record.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL MAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date	12-21	3-27	12-22	1-3		2-27	12-30	1-13		a - Part-
ANNUAL I		YEAR		a1931	1932	1933	1934	1935	1936	1937	a1938		Notes: 8

		ıα	Vol.	0.58	2.37	8	1.00	.42	.81	•35	•59	•41	.97	***	1.04	•39	.85	• 56	- good.
		8 days	Date	1-	1-4	12-20	1-23	3-8	3-1	3-16	3-16	12-20	1-18	12-24	2-11	3-8	12-28	2-21	records -
1ed GS 5		ys.	Vol.	0.42	1.14	•33	.42	8.	•43	.17	• 30	.23	.37	.41	•38	.38	.84	.31	y of re
Watershed		2 days	Date	12-26	1-7	12-21	1-24	3-14	3-5	3-18	3-17	1-27	1-24	12-30	2-19	3-9	12-28	2-27	Quality of
Wash.	INTERVAL	day	Vol.	0.38	.74	ಜ	.25	.18	.34	.12	.17	•14	.21	.38	.24	.36	.72	.27	7 1946.
Pullman,	TIME INT	1 0	Date	12-26	1-7	12-21	1-25	3-14	3-2	3-19	3-17	1-28	1-25	12-31	3-31	3-9	12-28	2-27	led July
Pu	ECTED T	urs	Vol.	0.33	99°	.18	•16	.12	•26	•10	.12	,12	•17	.23	•16	.35	.61	.25	scontin
	FOR SELECTED	12 hours	Date	12-26	1-7	12-21	1-25	3-14	3-2	3-19	3-17	1-28	1-25	12-31	3-31	3-6	12-28	2-27	932; di
XIMUMIX	VOLUME	urs	Vol.	0.22	.32	.17	40°	.10	.17	\$0.	90°	.10	.11	.12	.12	.29	.58	.21	apt., 1
AND ANNUAL MAXIMUM TIME INTERVALS	MAXIMUM VOLUME	6 hours	Date	12-26	1=5	12-21	1-25	3-14	3-2	3-19	3-17	1-28	1-25	12-31	3-31	3-9	12-28	1=2	ation Se
	M	hours	Vol.	60°0	•16	60°	•03	70°	• 05	.07	70°	•05	200	70°	• 05	•12	.53	.14	in oper
PER HOUR SELECTED		2 ho	Date	12-26	1-5	12-51	3-28	3-14	3-2	3-19	3-17	1-28	1-25	12-31	2-20	3-9	12-28	1-2	Station placed in operation Sept., 1932; discontinued July 1946.
IN INCHES FOR S		ur	Vol.	70°0	60°	90°	.02	•05	.03	70°	,62	•03	*0°	• 05	.03	.07	94.	.10	tation
		1 hour	Date	12-26	1-5	12-21	3-28	3-14	3-2	3-19	3-17	1-28	1-25	12-31	2-20	3-9	12-28	1-2	
DISCHARGES RUNOFF IN I	MUM	ARGE	Rate	70°0	,10	•15	•03	•05	•05	70°	*05	70°	•05	.02	•03	.00	1,38	77.	- Part-year record.
ANNUAL MAXIMUM VOLUMES OF	MAXIMUM	DISCHARGE	Date	12-26	1-5	12-21	4-5	3-14	3-2	3-19	3-17	3-7	1-25	12-31	2-20	3-9	12-28	3-6	
ANNUAL		YEAR		a1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	a1946	Notes: a

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AINTUAL	ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM VOLUMES OF RUNCFF IN INCHES FOR SELECTED TIME INTERVALS	DISCHARC RUNOFF 1	DISCHARGES IN INCHES FER HOUR RUNOFF IN INCHES FOR SELECTED	NCHES F	ER HOUR	AND AN	AND ANNUAL MAX. TIME INTERVALS	XIMUM		Pul	Pullman, Wash.		Watershed	d GS 6		
	MAXIMUM	MUM				2	MAXIMUM VOLUME	VOLUME	FOR SELECTED TIME	ECTED I	I'ME INT	INTERVAL				
YEAR	DISCHARGE	ARGE	1 hour	ur	2 hours	urs	6 hours	urs	12 ho	hours	1 d	day	2 da,	days	8 de	days
	Date	Rate	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.	Date	Vol.
a1932	12-26	0.03	12-26	600	12-26	90°0	12-26	0.15	12-26	0.24	12-26	0.26	12-26	0.27	12-26	0,31
1933	12=6	•39	12-5	•17	125	*54	12-5	64.	1-7	.74	12-6	.87	1-7	1.42	1-4	2,45
1934	123	•16	1423	.10	1-23	.15	1-23	.20	1-22	•33	1-22	.37	1-22	09°	1-16	1.00
1935	3-28	•01	3-28	.01	3-28	•05	1-24	70°	1-24	80.	1-24	,16	1-23	•26	4-5	24.
1936	2-28	90°	2-28	90°	2-28	•10	2-27	.25	2-27	·45	2-27	19.	2-27	1.01	2=26	1.45
1937	3-2	•05	3-2	•05	3-2	.08	3=2	.19	3-2	•35	3-2	.42	3-2	.79	3-2	1.93
1938	3-19	•01		υ	3-19	0.	3-19	10.	3-19	70°	3-18	200	3-18	.11	3-16	.27
1939	3-19	•05	3-19	.01	3-19	• 05	3-19	60.	3-19	.12	3-18	.16	3-18	.31	3-17	69*
1940	12-20	70°	12-20	70°	12~2¢	90°	12-20	.16	12-20	,24	12-20	.36	12-19	•42	12-19	.57
1941	6-17	.19	1-25	200	1-25	.11	1-25	.15	1-25	.18	1-25	.21	1-24	.38	1-18	.86
1942	2-4	.02	2-4	.02	2-4	.03	2=4	90°	2-4	.12	2-4	.17	2=/4	.28	1-31	.70
1943	2=6	.03	2m6	.03	3-6	90°	2-6	.16	2=6	•26	2-6	.36	2-6	97.	5-6	1.25
1944	3-9	70°	3-9	70°	3-9	20°	3-6	91°	39	•19	3-9	• 30	3-9	.31	3-8	.38
1945	12=28	1,10	12-28	.51	12-28	.51	12-21	.57	12-28	69.	12-28	. 82	12-28	.93	12-28	96.
a1946	3-7	.70	3-7	.15	2-27	.23	2-27	•39	2-27	67.	2-27	.53	2-26	•58	2-22	1.07
Notes: a 0.005 in.	1	- Part-year record. Quality of record	'	Station good.	placed	in ope	Station placed in operation August 1932; discontinued July 1946,	August .	1932; di	sconti	lued Jul	Ly 1946.	O	olume 1	- Volume less than	g

		ys	Vol.	60°0	2,16	1,11	10.1	1,11	1.24	68.9		
7		8 days	Date	12-26	12-18	1-16	1-23	2-28	3-5	3-15		than
shed GS		days	Vol.	0.03	. 89	.79	.52	07°	.30	2.57		e less
Watershed		2 da	Date	12-26	12-22	1-22	1-24	3-1	4-14	3-18		b - Rate less than
Wash.	ERVAL	day	Vol.	0.03	89.	97.	. 33	.21	.23	1,87		1 1
Pullman, Wash.	IME INT	1 d	Date	12-26	12-22	1-22	1-24	3.1	4-14	3-19	,	1 July
Δι	ECTED T	urs	Vol.	o	0.53	•33	•30	•14	,16	1.22		ontinue
	FOR SEL	12 hours	Date		12-9	1-22	1-24	3-1	71-7	3-19		2; discc - good,
XIMUM	MAXIMUM VOLUME FOR SELECTED TIME INTERVAL	urs	Vol.	o	0.32	•19	11.	80°	.10	•74		Station placed in operation July 1932; discontinued July 1938. sthan 0.005 in, Quality of records - good.
NUAL MA NTERVAL	AXIMUM	6 hours	Date		12-9	1-23	1-24	3-5	4-15	3-19		ation J ity of
AND AN TIME I	M	urs	Vol.	υ	0.12	80°	*0°	.03	70°	.26		in oper Qual
ER HOUR ELECTED		2 hours	Date		12-9	1-23	1-24	3-5	4-15	3-19		placed •005 in
NCHES P		ur	Vol.	υ	90°0	70°	•05	.02	.02	•14		tation than 0
ES IN I		1 hour	Date		12-9	1-22	1-24	3-2	4-15	3-19		%
DISCHARG RUNOFF I	AUM.	ARGE	Rate	م	90°0	*0	•05	.02	.02	.14		year record. Station placed in c - Volume less than 0.005 in.
ANNUAL MAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL NAXIMUM VOLUMES OF RUNCEF IN INCHES FOR SELECTED TIME INTERVALS	MAXIMUM	DISCHARGE	Date		12-9	1-23	1-24	3-2	4-15	3-19		a - Part-year record. in./hr. c - Volume 1
ANNUAL		YEAR		a1932	1933	1934	1935	1936	1937	a1938		Notes: a 0.005 i

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Mathematical Discriptions Particular P													-
E FOR SELECTED TIME INTERNAL 12 hours 1 day 2 days Date Vol. Date Vol. Date Vol. Date 12.22 0.11 12-21 0.11 12-20 0.13 12 1-24 .10 1-24 .19 1-23 .31 1-24 2 -28 .17 2-28 .26 2-28 .43 2-28 3 -2 .14 3-2 .20 3-2 .32 3-3 3 -8 .08 3-8 .12 3-8 .18 3-7 3 -18 .14 3-18 .20 3-18 .34 3-3 1 -18 .09 1-18 .14 1-17 .23 1-3			ys	Vol.	0.23	•59	06°	.67	.37	.83	.50	•54	good.
FULLMan, Wash. E FOR SELECTED TIME INTERVAL 12 hours	1		8 da	Date	12-19	1-23	2-27	3-1	3-15	3-16	2-25	1-17	ords -
FULLMan, Wash. E FOR SELECTED TIME INTERVAL 12 hours	shed GS		ys	Vol.	0.13	.31	.43	.32	,18	•34	.22	.23	of rec
FOR SELECTED TIMERNAL 12 hours 1 day Date Vol. Date Vol. 1-24 .10 1-24 .19 2-28 .17 2-28 .26 3-2 .14 3-2 .20 3-8 .08 3-8 .12 3-18 .14 3-18 .20 3-18 .14 3-18 .20 1-18 .09 1-18 .14	Water		2 da	Date	12-20	1-23	2-28	3-2	3-8	3-18	3-7	1-17	Quality of records - good.
E FOR SELECTED 6 12 hours Date Vol. 1-24 .10 2-28 .17 3-2 .14 3-18 .09 1-18 .09	Wash.	ERVAL	ay	Vol.	0.11	.19	.26	8	.12	. 30	.18	.14	1941.
E FOR SELECTED 6 12 hours Date Vol. 1-24 .10 2-28 .17 3-2 .14 3-18 .09 1-18 .09	ullman,	IME INT	1 9	Date	12-21	1-24	2-28	3-5	3-8	3-18	3-7	1-18	Sept.
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5-59 ANNUAL WAXIMUM DISCHARGES IN INCHES PER HOUR AND ANNUAL WAXIMUM WAYIMUM AND AND ANNUAL WAXIMUM	VOLUM		YEAR		1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	 	Notes: Re

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AL MAXIMUM D VOLUMES OF R	MAXIMUM	DISCHARGE	Date	10-21	1-13	6-2	7-55	3-30	8-9	10-6	7-8	6-28	6-10	 Records began Sept. 1949. a - Quality of records: Excellent. Illinois in cooperation with U.			
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